

20000511.qrp v01\_n818.qrl.20000511

Date: Thu, 11 May 2000 19:03:09 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1818

## QRP-L Digest 1818

Topics covered in this issue include:

- 1) [69861] Re: Phone Company Removes endfed  
by Steve Yates <aa5tb@yahoo.com>
- 2) [69862] Re: TS440S Lithium Battery  
by "Mikey" <steam@megsinet.net>
- 3) [69863] Re: SMK-1 Soldering Problems  
by "Stuart Satrun" <kc8lah@hotmail.com>
- 4) [69864] Re: [69836] Fw: Resonate speakers  
by Doug Faunt N6TQS +1-510-655-8604 <faunt@netcom.com>
- 5) [69865] Re: SMK-1 Soldering Problems  
by Randy & Cara Randall <crrandal@seidata.com>
- 6) [69866] going UP...need freq counter  
by Mighty Mik <mitymik@wenet.net>
- 7) [69867] Need 3 highest scores for 1999 Field Day 2A battery  
by Jeff <fantbb@yahoo.com>
- 8) [69868] For Sale  
by k5zty@juno.com
- 9) [69869] RE: MFJ Cub  
by "Joe Malloy" <jmalloy@hamilton.edu>
- 10) [69870] FS: Oscilloscope  
by Marty <N5NW@midsouth.rr.com>
- 11) [69871] Re: TS440S Lithium Battery  
by "Ray Sills" <raysills@castle.net>
- 12) [69872] Fwd: Re: SMK-1: Kits Still Available  
by "Doug Hendricks" <ki6ds@hotmail.com>
- 13) [69873] Re: Phone Company Removes endfed  
by Henry Freedenberg <henryf@quartz.gly.fsu.edu>
- 14) [69874] SMK-1: Cases + Great Deal on QRP Homebrewer  
by "Doug Hendricks" <ki6ds@hotmail.com>
- 15) [69875] Re: Resonate speakers  
by "n6wg:First n6wg>Last" <n6wg@earthlink.net>
- 16) [69876] Re: TS440S Lithium Battery  
by "John P. Cummins, Sr." <jpcummins@worldnet.att.net>
- 17) [69877] Re: Phone Company Removes endfed  
by "n6wg:First n6wg>Last" <n6wg@earthlink.net>
- 18) [69878] SMK-1 operations  
by n5ib@juno.com
- 19) [69879] SMK #358 - Rcv Problems

- by Gary Slagel <gdslagel@yahoo.com>
- 20) [69880] Re: Phone Company Removes endfed  
by "Steven Weber" <kd1jv@moose.ncia.net>
- 21) [69881] RE: 30m DXCC QSL Standing -- 93 received  
by Adrian Weiss <aweiss@usd.edu>
- 22) [69882] Fort Smith's P-TiCK manual corrections  
by "Jay Bromley" <w5jay@alltel.net>
- 23) [69883] Fort Smith QRP Group Iambic Paddle/TiCK keyer kit  
by "Jay Bromley" <w5jay@alltel.net>
- 24) [69884] Do you need a Dayton room?  
by "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
- 25) [69885] RE: battery charger - UC3909 or UC3906 IC source?  
by Radman <radman@best.com>
- 26) [69886] Re: Phone Company Removes endfed  
by joe lerch <jl@early.com>
- 27) [69887] re: full wave loop  
by neil tanner <ntan@crosslink.net>
- 28) [69888] Re: TS440S Lithium Battery  
by "Mike Yetsko" <myetsko@insydesw.com>
- 29) [69889] [Fwd: Old Gonset Rig]  
by Joe Mikuckis <k3chp@erols.com>
- 30) [69890] Re: Cub Vs. SW20+ ???  
by KR0Y@aol.com
- 31) [69891] Re: full wave loop  
by Wb8siw@aol.com
- 32) [69892] Tips for Older Unger soldering station  
by "Dan Reynolds" <bcdlr13@home.com>
- 33) [69893] Re: FW: QRP auxillary equipment question!  
by Rick Sealey <rsealey@InfoAve.Net>
- 34) [69894] Re: battery charger - UC3909 or UC3906 IC source?  
by "Tracy, Michael, KC1SX" <mtracy@arrl.org>
- 35) [69895] I was reading...  
by Bruce Muscolino <w6toy@erols.com>
- 36) [69896] Re: Chuck Adams  
by "Richard E. Robinson" <rerobins@email.uncc.edu>
- 37) [69897] Re: TS440S Lithium Battery  
by David Hinerman <dlh1009@ritvax.isc.rit.edu>
- 38) [69898] Re: TS440S Lithium Battery  
by "Mike Yetsko" <myetsko@insydesw.com>
- 39) [69899] Re: Phone Company Removes endfed  
by Bruce Grubbs N7CEE <n7ceeqrp@earthlink.net>
- 40) [69900] Re: QRP web page photos  
by "James P. Osburn, P.E." <j.p.osburn@ieee.org>
- 41) [69901] off topic: welfare traffic  
by millerm@merle.acns.nwu.edu (Michael L Miller)
- 42) [69902] Re: I was reading...  
by K7GT@aol.com
- 43) [69903] Re: Phone Company Removes endfed

by "Mike Yetsko" <myetsko@insydesw.com>  
44) [69904] Re: off topic: welfare traffic  
by Paul Womble <pwomble1@tampabay.rr.com>  
45) [69905] Re: Phone Company Removes endfed (USE VERTICAL)  
by "Dieter \ (Diz\ ) Gentzow W8DIZ" <w8diz@cinci.rr.com>  
46) [69906] Re: TS440S Lithium Battery  
by David Hinerman <dlh1009@ritvax.isc.rit.edu>  
47) [69907] Re: Phone Company Removes endfed  
by Dan Copeland <n0dt@alltel.net>  
48) [69908] [Dayton] Club Tables at FDI  
by Jim Stafford <w4qo@amsat.org>  
49) [69909] [Dayton] The Radio Show  
by Jim Stafford <w4qo@amsat.org>  
50) [69910] [Dayton] QRP Vendor Night at Ramada  
by Jim Stafford <w4qo@amsat.org>  
51) [69911] Re: [Dayton] The Radio Show  
by "Paul R. Valko" <prvalko@oakland.edu>  
52) [69912] Re: TS440S Lithium Battery  
by John Kuklewicz N7ZN <kukl@cybrquest.com>  
53) [69913] Re: SMK-1 operations  
by "Mike Branca" <w3irz@att.net>  
54) [69914] Re: Phone Company Removes endfed  
by "Richard Brummer, K2JQ" <obvious@bestweb.net>  
55) [69915] Re: TS440S Lithium Battery  
by David Hinerman <dlh1009@ritvax.isc.rit.edu>  
56) [69916] re. Phone company etc  
by Pete Burbank <plburbank@kih.net>  
57) [69917] Los Alamos, NM Welfare Traffic (OT)  
by "Brian P. Mileschosky" <n5zgt@swcp.com>  
58) [69918] 365pf varicap source  
by "Kevin Muenzler WB5RUE" <wb5rue@stic.net>  
59) [69919] Re: re. Phone company etc  
by "Mike Yetsko" <myetsko@insydesw.com>  
60) [69920] RE: Phone Company Removes endfed  
by Mike Gipe <mgipe@reliablemeters.com>  
61) [69921] April 2000 QRP Quarterly + QRPP in Bulgaria  
by Jim Hale <kj5tf@yahoo.com>  
62) [69922] Aged battery corrosion  
by nally@talstar.com  
63) [69923] Re: Aged battery corrosion  
by David Hinerman <dlh1009@ritvax.isc.rit.edu>  
64) [69924] RE: 365pf varicap source  
by Radman <radman@best.com>  
65) [69925] Re: Aged battery corrosion  
by Michael Neverdosky <mneverdosky@earthlink.net>  
66) [69926] Re: re. Phone company etc  
by "Richard Brummer, K2JQ" <obvious@bestweb.net>  
67) [69927] RE: 365pf varicap source

- by "Hare, Ed, W1RFI" <w1rfi@arrl.org>
- 68) [69928] [OT] Wanted - Norcal SMK-1 Kit  
by Jim Dolson <jdolson@iserv.net>
- 69) [69929] CONTEST: QRP Calendar - This Weekend  
by Ken Newman <N2CQ@citnet.com>
- 70) [69930] [Homebrew] Need advise on Panavise choices for QRP work.  
by Jim Larsen AL7FS <al7fs@pobox.alaska.net>
- 71) [69931] RE: Phone Company Removes endfed  
by "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
- 72) [69932] RE: re. Phone company etc  
by "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
- 73) [69933] Re: QRP-L digest 1817  
by Stanley A McIntosh <mcintos@basf-corp.com>
- 74) [69934] SMK-1: Kits still available  
by "Doug Hendricks" <ki6ds@hotmail.com>
- 75) [69935] FS: QRP STN OHR400  
by "curt" <k3ivb@stargate.net>
- 76) [69936] Re: [OT] Wanted - Norcal SMK-1 Kit  
by Dave Fifield <fifield@pacbell.net>
- 77) [69937] contact treatment for WhiteRook paddles??  
by Allan G Taylor <k7gt@qsl.net>
- 78) [69938] SMK-1 and BLT tuner kits to be available at Dayton  
by "Doug Hendricks" <ki6ds@hotmail.com>
- 79) [69939] Re: Phone Company Removes endfed  
by Marty <N5NW@midsouth.rr.com>
- 80) [69940] Network Analyzer fun.  
by Ed Loranger <we6w@qsl.net>
- 81) [69941] Re: Phone Company Removes endfed  
by "Mike Yetsko" <myetsko@insydesw.com>
- 82) [69942] SMK-1 Web Photos of my work  
by "James P. Osburn, P.E." <j.p.osburn@ieee.org>
- 83) [69943] SMK-1 Problem  
by Mike Bray <mikebray@uplogon.com>
- 84) [69944] OT: Los Alamos Fire Info  
by "Paul Harden, NA5N" <na5n@rt66.com>
- 85) [69945] SMK-1 Case arrives  
by N10DL@aol.com
- 86) [69946] Re: [Homebrew] Need advise on Panavise choices for QRP work.  
by "Rod, N0RC" <n0rc@qsl.net>
- 87) [69947] K2 lore  
by "Bill Allen" <bill@pcatexas.com>
- 88) [69948] Re: SMK-1 Web Photos of my work  
by "James P. Osburn, P.E." <j.p.osburn@ieee.org>
- 89) [69949] Re: TS440S Lithium Battery  
by Jimbob <kw3u@warwick.net>
- 90) [69950] RE: TS440S Lithium Battery  
by schoon@amgt.com
- 91) [69951] OT: Disaster Welfare Inquiry

- by Paul Womble <pwomble1@tampabay.rr.com>  
92) [69952] SMK-1 voltages? (SMK not working)  
by ABCQRP <w6abc@yahoo.com>  
93) [69953] Re: TS440S Lithium Battery  
by wd3p@juno.com  
94) [69954] Re: SMK-1 Problem  
by "Mike Branca" <w3irz@att.net>  
95) [69955] Re: TS440S Lithium Battery  
by "Mike Yetsko" <myetsko@insydesw.com>  
96) [69956] Re: ICOM Battery Back up  
by "John P. Cummins, Sr." <jpcummins@worldnet.att.net>  
97) [69957] SMK-1 #5 no RX  
by Dwane I Olson <diolson@juno.com>  
98) [69958] Power output of various QRP kits  
by John AE5X <ae5x@juno.com>  
99) [69959] Re: QRP web page photos  
by Bruce Muscolino <w6toy@erols.com>

---

Date: Wed, 10 May 2000 16:02:27 -0700 (PDT)  
From: Steve Yates <aa5tb@yahoo.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [69861] Re: Phone Company Removes endfed  
Message-ID: <20000510230227.15701.qmail@web3003.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Thom,

You sound like a perfect candidate for a small transmitting loop antenna. They are expensive to buy but cheap to build if you restrain your operating to QRP. Check out the information on my Web site and be sure to check out the links to other loop sites:

<http://www.geocities.com/aa5tb/loop.html>

Such an antenna can easily fit in your 12' X 12' lot and I can usually get a 3:1 frequency spread for a given loop. It will take two loops to cover 3-30 MHz.

A couple of weeks ago when the wind blew my main wire antenna down I temporarily used by 3' diameter loop. It was mounted in my backyard under a dense pine tree with the bottom of the loop 2' from the ground. I worked OK1FDY (RST 449), S51AP (RST 559), and VK4XA

(RST 559) on 20m with 5W with it over the next day.

Efficiency can be very poor if precautions are not taken. The other major limitation (or advantage for cheap receivers) is that they are very narrowbanded, on the order of several kHz depending on the frequency. A properly designed small transmitting loop antenna can make a good account for itself.

=====

73,

Steve Yates - AA5TB

Fort Worth, TX - EM12gs

<http://www.geocities.com/aa5tb>

[aa5tb@yahoo.com](mailto:aa5tb@yahoo.com)

-----  
Do You Yahoo!?

Send instant messages & get email alerts with Yahoo! Messenger.

<http://im.yahoo.com/>

-----  
Date: Wed, 10 May 2000 18:07:26 -0500

From: "Mikey" <[steam@megsinet.net](mailto:steam@megsinet.net)>

To: <[ianpurdie@integritynet.com.au](mailto:ianpurdie@integritynet.com.au)>, "Low Power Amateur Radio Discussion" <[qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)>

Subject: [69862] Re: TS440S Lithium Battery

Message-ID: <003e01bfbad4\$82e14e20\$281128d0@megsinet.net>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: quoted-printable

I would guess the new lithium cell was nearly spent before it was ever installed, or there is a problem with the 440. I suspect the cell.

I've had my 440 since '89 and it's still on the original cell.

I'd give a new cell another try.

Good luck. Mike

Mike Pender Chicago N9IV0

steam@corecomm.net <http://www.corecomm.net/~steam> =20

-----  
Date: Wed, 10 May 2000 23:12:04 GMT  
From: "Stuart Satrun" <kc8lah@hotmail.com>  
To: rattray@gpfn.sk.ca, qrp-1@Lehigh.EDU  
Subject: [69863] Re: SMK-1 Soldering Problems  
Message-ID: <20000510231204.54902.qmail@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

I thought this was covered by NAFTA...no duties on stuff either  
way across the border...this is way out of line!

73  
stu

>From: Bruce Rattray <rattray@gpfn.sk.ca>  
>Reply-To: rattray@gpfn.sk.ca  
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
>Subject: Re: SMK-1 Soldering Problems  
>Date: Tue, 9 May 2000 08:12:11 -0600 (CST)  
>  
>  
>On Tue, 9 May 2000, Dave Fifield wrote:  
>  
> > A 37% import tax???!!!!!! That's OUTRAGEOUS!!!!  
> >  
> > 72, Dave Fifield, AD6A  
> >  
>.....Welcome to Canadian hamming!...now you know why I can't buy a  
>K2 so far...but I'm buying lottery tickets...HI HI! - 72 - Bruce  
>(VE5RC+VE5QRP)  
>

-----  
Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>

-----  
Date: Wed, 10 May 2000 16:18:15 -0700 (PDT)  
From: Doug Faunt N6TQS +1-510-655-8604 <faunt@netcom.com>

To: k6mgo@juno.com  
Cc: qrp-1@Lehigh.EDU  
Subject: [69864] Re: [69836] Fw: Resonate speakers  
Message-ID: <200005102318.QAA05807@netcom.com>

Date: Wed, 10 May 2000 13:35:43 -0700  
From: Bill Ross <k6mgo@juno.com>

----- Forwarded message -----  
From: "Steven Weber" <kd1jv@moose.ncia.net>

If you've never used a resonate speaker for copying CW, your really missing out. They are amazing.

My XYL goes "ballistic" now, if I happen to have a speaker hooked up to any Morse code source. I can just imagine what she would do if I made a resonate speaker. That will be the day!!

72/73

Bill, K6MGO Marina Del Rey, CA

I presume she makes you use headphones. Some people have ascribed hearing loss to the long term use of earphones. Be careful. It's hard to operate if you're deaf.

73, doug

-----  
Date: Wed, 10 May 2000 18:36:11 -0500  
From: Randy & Cara Randall <crrandal@seidata.com>  
To: kc8lah@hotmail.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [69865] Re: SMK-1 Soldering Problems  
Message-ID: <3919F26B.67F01BBB@seidata.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

NAFTA was the biggest bill of goods ever sold to ( forced on ) the public. Have you seen the cost of a car assembled in Mexico ( or a car with Mexican parts ) come DOWN in price. I bet not.

Randy KB8AS0

Stuart Satrun wrote:

> I thought this was covered by NAFTA...no duties on stuff either  
> way across the border...this is way out of line!



> 73  
> stu  
>  
> >From: Bruce Rattray <rattray@gpfn.sk.ca>  
> >Reply-To: rattray@gpfn.sk.ca  
> >To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
> >Subject: Re: SMK-1 Soldering Problems  
> >Date: Tue, 9 May 2000 08:12:11 -0600 (CST)  
> >  
> >  
> >On Tue, 9 May 2000, Dave Fifield wrote:  
> >  
> > > A 37% import tax????!!!!!! That's OUTRAGEOUS!!!!  
> > >  
> > > 72, Dave Fifield, AD6A  
> > >  
> >.....Welcome to Canadian hamming!...now you know why I can't buy a  
> >K2 so far...but I'm buying lottery tickets...HI HI! - 72 - Bruce  
> >(VE5RC+VE5QRP)  
> >  
> >  
> >  
> -----  
> Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>

--

"We might as well give up the fiction  
That we can argue any view.  
For what in me is pure Conviction  
Is simple Prejudice in you."

-Phyllis McGinley

-----  
Date: Wed, 10 May 2000 16:46:14 -0700  
From: Mighty Mik <mitymik@wenet.net>  
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>  
Subject: [69866] going UP...need freq counter  
Message-ID: <3919F4C6.4C655381@wenet.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Solar Maximum will be here soon...no REALLY it will be...and I want to  
experiment with VHF/UHF QRPp TX modules for locating lost flying things.  
So...I want something that goes to 2.8GHz and is hand held. The only

one i can find on the web is the Optoelectronics CUB @\$149...thought there might be others at \$99.

anyone have a favorite?

BTW 6 meters was open today from CM87 to DN09. (1900 to 2100Z)

PS 7.160+ a little x 7 = 50.125MHz

de WD8MNV

-----  
Date: Wed, 10 May 2000 16:45:26 -0700 (PDT)  
From: Jeff <fantbb@yahoo.com>  
To: qrp qrp <qrp-l@lehigh.edu>  
Subject: [69867] Need 3 highest scores for 1999 Field Day 2A battery  
Message-ID: <20000510234526.28720.qmail@web121.yahoomail.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

I am hoping some kind soul will send me the 3 highest scores for the 1999 Field day 2A battery class.

73 and thanks!

Jeff

=====  
Jeff Jones  
AB6MB  
NorCal QRP Club #65, QRP-L #1780, ARCI 10071  
Radical FIST Member 6798  
Voicemail/Fax 1-888-Excite2 ext 925-439-2514  
ICQ 62450117

-----  
Do You Yahoo!?  
Send instant messages & get email alerts with Yahoo! Messenger.  
<http://im.yahoo.com/>  
-----

Date: Wed, 10 May 2000 19:10:54 -0500  
From: k5zty@juno.com  
To: qrp-l@lehigh.edu  
Subject: [69868] For Sale

Message-ID: <20000510.191056.-108711.0.k5zty@juno.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

Book for sale: THERE ARE NO ELECTRONS by Kenn Amdahl  
paperback , good condition, spine not broken, no marks on covers or  
pages, signed by the author. \$12.00 ppd via Priority Mail U.S.A..

Bill, K5ZTY  
Houston, TX  
k5zty@juno.com

-----  
Date: Wed, 10 May 2000 20:39:59 -0400  
From: "Joe Malloy" <jmalloy@hamilton.edu>  
To: <qrp-1@Lehigh.edu>  
Subject: [69869] RE: MFJ Cub  
Message-ID: <000001bfbae1\$6fda5210\$ef47eed8@mozart>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Mike, KK5F, wrote:

> 4. It allows an excellent PCB ground plane, compared to the usual  
> thru-the-hole PCB, and hence makes a design for the higher bands easier  
> to accomplish (to my knowledge, no mono band rigs are \*currently\* being  
> marketed for 17m and 15m other than the MFJ Cub).

Let me add that just a few hours ago, I completed some mods of my 17m Cub as described by Larry East, W1HUE (thanks, Larry!) and they perform beautifully. The Cub is a fairly tiny radio and SMT parts really help it achieve this size. But they certainly are usable (with glasses and a magnifying lamp, for this old timer (49 and he feels every day of those years!)) for mods. (In fact, the neat and orderly circuit board now has a little bit of Manhattan style wiring on it!) The rig, once "warmed up", is surprisingly stable, I'm not even aware that I'm on 17m, wobbles or other telltale signs.

It's not quite a DSW rig, but it's not half bad, either.

72/73/74,

Joe, W2RBA

-----  
Date: Wed, 10 May 2000 19:56:11 -0500  
From: Marty <N5NW@midsouth.rr.com>  
To: qrp-1@Lehigh.EDU  
Subject: [69870] FS: Oscilloscope  
Message-ID: <e71khs0kdu4aiun3cte4318hu2c1549nv5@4ax.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: quoted-printable

Not much interest. Perhaps I was asking too much. Let's try again.

Hi Gang, I've recently acquired a B&K Precision 60MHz Oscope (Model 2160)=  
with  
four probes, a face cover, and manual. This is a dual trace scope and =  
appears  
to work ok (I'm not a Oscope expert). I don't have any homebrew stuff  
anymore, and probably am out of construction for a few years.

Would like to sell this to a good home. The cheapest I've seen the =  
2160A,  
refurbished, goes for \$600 or so (Tucker, etc. on the web). Perhaps \$300=  
plus  
shipping would be fair? Shipping will run about \$35 or so, insured USPS.

Strike that. Make it \$250 plus shipping.

E-mail if interested.

--  
Marty, N5NW

-----=  
-----  
Lakeland (Memphis), Tennessee  
<http://marty.w.tripod.com/>  
N5NW@midsouth.rr.com

-----  
Date: Wed, 10 May 2000 22:06:06 -0400  
From: "Ray Sills" <raysills@castle.net>  
To: qrp-1@lehigh.edu  
Subject: [69871] Re: TS440S Lithium Battery  
Message-ID: <200005110206.WAA07466@nile.intac.com>

Mime-version: 1.0  
Content-type: text/plain; charset="US-ASCII"  
Content-transfer-encoding: 7bit

Hi Gang:

One caution on replacing lithium cells in a rig: I have heard of cases where the the rig just died after a battery swap. It seems the operating system in the microprocessor controlling the rig was stored in RAM!!!!... when the power went away, so did the program. Evidently the manufacturer had a way to stuff the program in after it was built.

73 de Ray  
K2ULR  
FN20t1

-----  
>From: "Mike Yetsko" <myetsko@insydesw.com>  
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
>Subject: Re: TS440S Lithium Battery  
>Date: Wed, May 10, 2000, 9:47 AM  
>

>Ian,  
>  
>I'm not sure I'd like 'rechargable' in there. But if you want...  
>  
>If the rig is operated a LOT, like every couple days, you might  
>consider a 'super cap', one of those 10F guys. They are HUGE  
>capacity, but high impedance. You could parallel that in your  
>circuit, with the lithium as a backup. Diode isolate the battery  
>from the supercap and let the supercap charge and feed the  
>back 99% of the time.  
>  
>The other issue is did you use the right Lithium? If it was from  
>the manufacturer, it may be the right one, but from OLD stock.  
>(I know, real bummer!) When I replace a lithium, I generally buy  
>a 'generic' lithium rather than the specific, that way I usually get  
>a fresh battery.  
>  
>I just had to replace the lithium in my Alinco DR-590 in my car.  
>I went to RS and found about 6 batteries that were the same size.  
>So I pulled out the battery book and checked which one had the  
>LONGEST discharge rating. It was lower capacity but rated for  
>a longer time, and since I was taking a fraction of the rated  
>current, I went for the time.  
>  
>I did the same thing on my HTX-202 HT. That battery failed I think

>about a year after I bought it. So I put in a 'generic', and it's been  
>there since without a hitch.

>

>The problem with a battery from a manufacturer is that they are  
>generally bought in 'bulk' at the start of the manufacturing cycle,  
>and unless the manufacturer has rolled through to replacement  
>stock, you could get some really old batteries.

>

>Mike

>

>> Gang,

>>

>> Can anyone help me with this enquiry?

>>

>> <snip>

>> desire to eliminate the Lithium battery in my Kenwood TS440S and  
>would

>> like to replace it with a rechargeable which would get charged when  
>the

>> rig is on! This may not be a design improvement but the Lithium was  
>> replaced in Feb 2000 and is already NG. Unbuckling the rig from  
>> everything and disassembling makes me nuts. Whatcha think? N2DFJ

>>

>> </snip>

>>

>>

>> 72/73's

>>

>> Ian Purdie Budgewoi N.S.W. Australia - Co-ords 33o:14' S 151o:34' E

>> My FREE Newsletter:- <mailto:vk2tip@qsl.net?Subject=Subscribe>

>> VK2TIP "I'll give ya the TIP mate" QRP-L #1978. SOC #171 "duh?"

>> URL - <http://www.integritynet.com.au/~purdic/>

>>

>>

>>

>

>

-----

Date: Wed, 10 May 2000 19:06:55 PDT

From: "Doug Hendricks" <[ki6ds@hotmail.com](mailto:ki6ds@hotmail.com)>

To: [qrp-l@lehigh.edu](mailto:qrp-l@lehigh.edu)

Cc: [lewise@inetport.com](mailto:lewise@inetport.com)

Subject: [69872] Fwd: Re: SMK-1: Kits Still Available

Message-ID: <20000511020655.67027.qmail@hotmail.com>

Mime-Version: 1.0

Content-Type: text/plain; format=flowed

Larry, thank God for Texans!! Darn it, you caught my mistake bigger than life. I should have said 120 thousandths by 60 thousandths or about 1/8" x 1/16" for the metric challenged. Oooops.. Sorry about that, but thanks for catching the mistake. I owe you a soda in Ft. Tuthill. 72, Doug

>From: "KA5T Larry Wise" <lewise@inetport.com>  
>Reply-To: "KA5T Larry Wise" <ka5t@arrl.net>  
>To: "ki6ds@hotmail.com" <ki6ds@hotmail.com>  
>Subject: Re: SMK-1: Kits Still Available  
>Date: Thu, 11 May 2000 00:22:15 +0100  
>  
>Doug:  
>  
>NO NO NO NO.....Not 12 thousandths by 6 thousandths.....  
>Can't be that small...  
>  
>Mouser catalog says 1206 is 3.2mm x 1.5mm which is  
>about .126 x .063 in.....  
>  
>You know....25.4 mm per inch... :-)  
>  
>Larry KA5T  
>Georgetown, TX  
>  
>  
>  
>On Wed, 10 May 2000 14:02:30 PDT, Doug Hendricks wrote:  
> >...  
> >devices. The rest are 1206 in size, which means that they are 12  
> >thousandths by 6 thousandths. The transistors are S023, with one S089  
> >  
>  
>

---

Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>

---

Date: Wed, 10 May 2000 21:53:22 -0400  
From: Henry Freedenberg <henryf@quartz.gly.fsu.edu>  
To: baltimoremd@baltimoremd.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [69873] Re: Phone Company Removes endfed  
Message-ID: <391A1291.9D050403@quartz.gly.fsu.edu>

MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

baltimoremd@baltimoremd.com wrote:

> In the midst of operating today, the rig suddenly went bonkers, and I  
> heard a knock at the door. Seesm the local phone company decided that the  
> end of my wire on their pole had to go.  
>  
> So....I'm open to suggestions...

You need a new phone company

-----  
Date: Wed, 10 May 2000 19:14:27 PDT  
From: "Doug Hendricks" <ki6ds@hotmail.com>  
To: qrp-1@lehigh.edu  
Subject: [69874] SMK-1: Cases + Great Deal on QRP Homebrewer  
Message-ID: <20000511021427.49584.qmail@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

George Heron is an amazing man. I just got off the phone talking with him about a couple of things we have going, and he told me some really exciting news. The parts for the SMK-1 cases have come in, and he has shipped 125 case kits starting this week, so you should start seeing them come in the mail. He is trying to get the rest of the backlog out the door by the first of next week. Great job George. You know, all it takes is one simple part to be back ordered and the best laid plans of mice and men ....

That is what happened. Mouser was out of a connector he needed. It finally came. So now he is going like crazy getting ready for Dayton, and trying to ship the backlog. Have patience guys, the cases are on the way. George will have plenty of them at Dayton if you have not ordered yet.

He also was telling me about another Dayton Special that he is going to do. George has 100 copies of the last issue of QRP Homebrewer which is the NJ QRP Club Journal, (Great mag by the way), and if you subscribe at Dayton, he will give you a copy of the last issue, plus your subscription will be for the next 4 issues. 5 issues for price of 4. And, by the way, the price is only \$15 a year for a great publication that is full of QRP information on building and QRP operating for the new guy on the block as well as the old timers. Be sure to stop by the NJ QRP Club table Thursday, Friday and



Saturday nights at Dayton.

Tell George that you read it here on qrp-l. 72, Doug

-----  
Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>

-----  
Date: Wed, 10 May 2000 19:18:58 -0700  
From: "n6wg:First n6wg:Last" <n6wg@earthlink.net>  
To: <qrp-l@Lehigh.EDU>  
Subject: [69875] Re: Resonate speakers  
Message-ID: <001101bfbaef\$44a3d180\$0ed6fc9e@oemcomputer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I can attest to the effectiveness of the acoustic speaker filter. After Steve posted his tumbler idea on QRP-L, maybe 2 or 3 years ago, I built a filter using a thick walled plastic drinking glass and a small speaker that just fit inside it. I get a peak just under 600Hz, and use this speaker 100% of the time, except when I'm using headphones. It is a cheap and elegant addition to any cw operation.  
73, Bob N6WG

-----  
Date: Wed, 10 May 2000 22:15:53 -0400  
From: "John P. Cummins, Sr." <jpcummins@worldnet.att.net>  
To: unlisted-recipients:; (no To-header on input)  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [69876] Re: TS440S Lithium Battery  
Message-ID: <391A17D9.D115E480@worldnet.att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I know this is true of the ICOM 751-A (I have one). The owner's manual tells you that the battery will last for about 10 years. (mine still had 3.4 volts at the end of 10 years). The manual instructs you to have an ICOM service facility handle the replacement of the battery.

I replaced my memory board with an after market item from Willco Electronics that has non volatile memory for the radio's controls. It can also provide 1,064 frequency memories. I can't find their web

address but you can drop Jack Albert a note at willco788@ameritech.net.

Pickett, AD4S

Ray Sills wrote:

>  
> One caution on replacing lithium cells in a rig: I have heard of cases  
> where the the rig just died after a battery swap. It seems the operating  
> system in the microprocessor controlling the rig was stored in RAM!!!!...  
> when the power went away, so did the program.  
>  
>

-----  
Date: Wed, 10 May 2000 19:25:37 -0700  
From: "n6wg:First n6wg:Last" <n6wg@earthlink.net>  
To: <qrp-1@Lehigh.EDU>  
Subject: [69877] Re: Phone Company Removes endfed  
Message-ID: <001501bfbaf0\$328bbfc0\$0ed6fc9e@oemcomputer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Thom

If a vertical is all you can manage in your space, try the following.

- 1 Put up a 40m quarter wave radiator--aluminum tubing, EMT conduit, whatever you can get your hands on, and try to center it in your yard space. Get the base up in the air as high as you can.
- 2 For a ground radial system, try 4 quarter wave wires, bent into a sort of square spiral around the base of the vertical. It will go down easier with the xyl if the radial wires are far enough overhead that she doesn't run into them :-). Been there and had to undo that!
- 3 Get on the air and enjoy.

73, Bob N6WG

-----  
Date: Wed, 10 May 2000 23:06:47 EDT  
From: n5ib@juno.com  
To: qrp-1@Lehigh.edu

Subject: [69878] SMK-1 operations

Message-ID: <20000510.220338.9383.1.N5IB@juno.com>

Just worked Don, K5KW, in Oklahoma. My SMK-1 to his Red Hot 40. A map check yields 440 miles at 250 mW for 1600+ miles per watt.

Don reported that he's already worked 6 states with his SMK-1, but mine was the first he's heard on.

I plugged in a small computer-style speaker and it turns out to be very efficient. Plenty of audio for armchair copy. There's a certain charm about the fidelity of a DC receiver, and the wide pass band makes it almost like a spectrum panorama in your head.

Interesting phenomenon: when keying, bursts of BC station QRM can be heard at the beginning of each key closure - only during the first few ms. Backing the gain down minimizes this effect.

Great fun! I'm going to put in in a small wood-sided box, but I think I want the top to be clear plastic show the innards can be properly displayed.

72

Jim N5IB

-----  
YOU'RE PAYING TOO MUCH FOR THE INTERNET!

Juno now offers FREE Internet Access!

Try it today - there's no risk! For your FREE software, visit:

<http://dl.www.juno.com/get/tagj>.

-----  
Date: Wed, 10 May 2000 21:26:41 -0700 (PDT)

From: Gary Slagel <gdslagel@yahoo.com>

To: qrp-1@Lehigh.EDU

Subject: [69879] SMK #358 - Rcv Problems

Message-ID: <20000511042641.1841.qmail@web204.mail.yahoo.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Finally got the SMK wired up and powered up and the results are..... mixed reviews.

Transmit seems fine... little less the 1/2 watt out on my uncalibrated swr meter. Freq about 7.039 to 7.040.

Receive: Hearing only broadcast signals. Can't tell

for sure the freq but I'm sure its not 7.040. The RX tuning has no affect on these signals... basically no tuning. Also no sidetone when keying, just clicks. Volume is good on those broadcast signals I'm hearing.

I suspected a problem in the RX Tune circuit so I first resoldered those connections (vr2, r2, d3, d4, l3, x1) and no help. I probed around with the test probe on my VOM to see what I could hear. When I touched anything on the output side of U1 I could hear it in the headphones. When I touched anything in the RX Tune circuit I heard nothing. This seemed funny to me. What else.... (think, think, think)... Seems like I saw this problem posted on the list a week or so ago. I've been saving all the smk info but couldn't find that one. I thought I remembered that problem as having U1 installed backwards. I checked that again. I was a little unsure of where pin one was on the sa612. Couldn't see a depression or a dot on the chip but I decided that pin 1 was the lower left pin when the print on the chip was oriented right side up (rather than upside down) because this put pin #1 on the side of the chip that was beveled, as close as I could tell. So, I THINK I've got it right.

Thats all the info I can come up with. Any of these ramblings give anyone a clue what might be up? I'd really appreciate any advice.

Thanks & 73, Gary

=====

Gary Slagel/N0SXX

Conifer, CO 80433

gdslagel@yahoo.com

Personal Website: <http://marina.fortunecity.com/sanpedro/351>

-----  
Do You Yahoo!?

Send instant messages & get email alerts with Yahoo! Messenger.

<http://im.yahoo.com/>

-----

Date: Thu, 11 May 2000 00:03:00 +0000

From: "Steven Weber" <kd1jv@moose.ncia.net>

To: baltimoremd@baltimoremd.com

Cc: qrp-l@lehigh.edu

Subject: [69880] Re: Phone Company Removes endfed

Message-ID: <200005110441.AAA07374@wolf.ncia.net>

MIME-Version: 1.0

Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7BIT

>

> So....I'm open to suggestions...I have a small lot at the rear of the  
> house....it's 12 feet wide and 12 feet deep.

>

Thom,

If you can possibly contrive to get onto the roof, you can try something like what I did here at my fix-it shop. I'm in a 32 x 24 foot single story building on a small corner lot, not much bigger than the building.

I put a 5 foot length of 2" PVC at the center of the peak. The base is a couple of pieces of water proofed plywood, 1 ft wide x 2 ft long with a TV mast roof mount bracket from Radio Shack bolted to the wood. This lets it sit on the roof peak with out drilling holes in the roof and upsetting the landlord.

The PVC mast supports 17M, 20M and 40 M dipoles that run to various corners of the roof and act as guys for the mast. (and has survived two NE winters so far) The 40M dipole extends beyond the edge of the roof and is tied off the best I could, sort of folded back around the eaves. Looks like a big spider web :-). But it gets out reasonably well. If you have a two story house, chances are the mast wouldn't be visible from the street and you can run the ends of the 40 M dipole down along the corners of the house. Probably work a whole lot better than that end feed wire too.

Best of luck to ya.

72,

Steve, KD1JV in the white Mountains of New Hampshire  
"melt solder"

-----

Date: Tue, 02 Nov 1999 22:50:04 -0800

From: Adrian Weiss <aweiss@usd.edu>

To: qrp-l@lehigh.edu

Subject: [69881] RE: 30m DXCC QSL Standing -- 93 received

Message-ID: <381FDB1C.4455@usd.edu>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Hi gang: quick update since starting sending QSL's direct 6 months ago.  
93 DXCC confirmed, 121 worked, some 35 QSL's still in mail; no packet  
from Zero QSL Buro for 3 months -- boy, are the 7 that I need sitting  
there?

Sure would like 7 dumped on me so I could walk around Dayton feeling  
successful. I'm always too late and/or in the wrong place.

Well, sometimes not -- got LX/DL40CM because he tuned up on the  
freq I was listening and I "?????" him and he came back. Exactly the  
same scenario with T97M.

Didn't know the CE0Z was something other than Easter Island of which  
I have a couple already. I listened to everyone calling him endlessly  
and  
did a call every now and then just for kicks. I actually needs some kicks  
--  
in the butt!

Cu all in Dayton!! I'm bringing along my S.D. Resonant Vertical  
(SDRV-234)  
for 20-30-40m in case anyone wants a look at an extremely simple use of  
the Black Widow pole for resonance on these 3 bands using a hunk  
of R.S. twinlead and a piece of #18 stranded copper wire.

Can't wait! Leaving Tuesday.

72 all, Ade

-----  
Date: Thu, 11 May 2000 00:14:07 -0500  
From: "Jay Bromley" <w5jay@alltel.net>  
To: <qrp-l@Lehigh.EDU>  
Cc: "William Winscott" <n6cha@ipa.net>, "Steve Lowrey" <snlowrey@alltel.net>,  
"Steve Gibbs" <k5oy@alltel.net>, "Stan Ross" <sross@ipa.net>,  
"Royce Rainwater" <ke5tc@crosstel.net>, "Richard Donovan" <n5xm@alltel.net>,  
"Randy Holden" <6pack@mciworld.com>, "Randy Baggett" <kg5ne@cei.net>,  
Subject: [69882] Fort Smith's P-TiCK manual corrections  
Message-ID: <004801bfbb07\$c12732c0\$519b66a6@w5jay>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Guys,  
We discovered a couple of errors in the Ft. Smith P-TiCK manual.

Step 17 should say Pin 5 pad instead of Pin 4 pad. The drawing on the front page is correct.

On Step 26 you should hear 2 beeps on power up with the Tick 1 chip.

Sorry about that and big "Thank You" goes to Casey, AD6DI, for finding these errors!! The new manuals will have the corrections.

Don't forget, the Ft. Smith P-TiCK paddle/TiCK keyer kit is available complete with all parts to build a nice pcboard paddle and TiCK keyer for \$10 plus \$2 s&h. Yes, that even includes the TiCK chip!! Want to see a built one? Then take a look at Mr. Doug Hendrick's P-TiCK paddle at <http://www.qsl.net/kk5ku/Mvc-463s.jpg>  
Send your orders to:

Jay Bromley  
9505 Bryn Mawr Circle  
Fort Smith, Ar. 72908-9276

Please make checks or money orders out to Jay Bromley and also please include a self addressed mailing label. Thanks for your support of QRP and ArkieCon 2001!! 72 de JayBob, right hand man of the "Hangin' Judge of Ft. Smith", Kelsey Mikel.

-----  
Date: Thu, 11 May 2000 00:19:13 -0500  
From: "Jay Bromley" <w5jay@alltel.net>  
To: <qrp-1@Lehigh.EDU>  
Cc: "William Winnscott" <n6cha@ipa.net>, "Steve Lowrey" <snlowrey@alltel.net>, "Steve Gibbs" <k5oy@alltel.net>, "Stan Ross" <sross@ipa.net>, "Royce Rainwater" <ke5tc@crosstel.net>, "Richard Donovan" <n5xm@alltel.net>, "Randy Holden" <6pack@mciworld.com>, "Randy Baggett" <kg5ne@cei.net>,  
Subject: [69883] Fort Smith QRP Group Iambic Paddle/TiCK keyer kit

Message-ID: <002501bfbb08\$7696f3c0\$559b66a6@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Gang, sorry about being so slow to post about the new Ft. Smith P-TiCK paddle keyer combo kit, but I have been buried at work. Those darn thunderstorms and lightning have been tearing us up. Just wish old Doug Hendricks could have been here last weekend to ride that storm!!

Anyway, we have a new fundraiser for the 2001 ArkieCon!! This year's was a huge success for us, and we want to do it again, but it takes money to put on one of these forums, and we want to finance it the same way. So, Doug Hendricks, KI6DS has designed another kit for us. He put a Manhattan Style TiCK keyer on a set of iambic paddles made out of PC board, and the whole unit, keyer and paddles are only 2 x 3". You can see a picture at:

<http://www.qsl.net/kk5ku/Mvc-463s.jpg>

Pictures courtesy of Kelsey Mikel, KK5KU, the "Hangin' Judge Himself".

This kit is ideal for a beginner. The TiCK keyer circuit is built using Manhattan style construction, and there is an 8 page manual with full details on how to do it. Plus, you build a set of paddles that are iambic, and they are adjustable to boot! The cost of the kit, complete with ALL PARTS including the TiCK keyer chip is only \$10, plus \$2 postage. To order a kit, send a check or money order for \$12 to:

Jay Bromley W5JAY  
9505 Bryn Mawr Circle  
Fort Smith, AR 72908-9276

Please include a self addressed mailing label. That helps a bunch. Also for all of you guys going to Dayton, there will be P-TiCK kits available there for \$10. You save the postage!!

Sorry, but I forgot to say that all pc board parts are precut!!

And if there is a group or a club out there that wants to do a club building project, this kit is really ideal. To help you out, Ft. Smith QRP Group will pay for the postage if you order 10 or more kits. Just be sure to ask for the Club "no postage" discount on 10 or more kits.

Ok, gotta get back to kitting. Thanks to all involved in this project, Doug Hendricks, for designing it, and Gary Diana for working with us on the TiCK chips. 72 de w5jay..



-----  
Date: Thu, 11 May 2000 01:03:44 -0400 (EDT)  
From: "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>  
To: eax@w3eax.umd.edu, Laurel ARC <larc-1@webtrek.com>, w7pxl@egroups.org, qrp-1  
<qrp-1@lehigh.edu>  
Subject: [69884] Do you need a Dayton room?  
Message-ID: <Pine.LNX.4.10.10005071115230.23970-100000@w3eax.umd.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

I'm going and I have a room at the QRP hotel. If you

don't have plans for housing while at Dayton  
don't smoke  
won't come back to the room rip-roaring drunk,

I could use a roommate or two to help defray the costs.

I'm at the Ramada Miamisburg, about 10 miles south of the hamfest and the  
QRP center of the universe for the duration of the hamvention.

Please contact me if interested.

Scott Rosenfeld ARS N7JI  
541-684-9970 Eugene, OR Land o' much rain  
If you find me on the air, I'm probably in my car  
ham@w3eax.umd.edu <http://w3eax.umd.edu/~ham>

-----  
Date: Wed, 10 May 2000 23:24:42 -0700  
From: Radman <radman@best.com>  
To: "'Tracy, Michael, KC1SX'" <mtracy@arrl.org>, Low Power Amateur Radio  
Discussion <qrp-1@Lehigh.EDU>  
Subject: [69885] RE: battery charger - UC3909 or UC3906 IC source?  
Message-ID: <01BFBAD7.0C05B9A0@radman.vip.best.com>

Michael & the gang,

Here's a couple of strategies that should lead you to a Unitrode UC3909 or  
UC3906:

Download a (free) component search engine called 'Partminer' at URL:  
[http://www.partminer.com/Pm\\_HomePage/index.asp](http://www.partminer.com/Pm_HomePage/index.asp)

It's an excellent search tool, and it \*will\* tell you who has the part - although there are often minimum quantity/buy requirements.

If you find no joy with Partminer - contact Jade Products, after May 15th when they return from vacation, and they'll probably sell you an IC or point you to a 'quantity one' source. They're nice folks with no minimum!

Jade Products - URL: <http://www.jadeprod.com/chrgnewa.html>

GL & let us know what you invent :)

73,

Conrad Weiss - NN6CW

-----  
Subject: Re: battery charger - UC3909 or UC3906 IC source?

I need a charger and would prefer to roll my own using the UC3909 (switchmode version of the 3906). Now, I usually answer questions like these, but this one has me stumped - where do I get one? I checked Newark, Allied, Mouser, Digi-Key, MCM and even did a Google search :- ) with no luck.

Also if there is another source for 3906s I'd like to know that too - all the dozens of web page UC3906 charger projects point to the A&A kit and I still want to roll my own. :-)

72, Michael, KC1SX

-----  
Date: Thu, 11 May 2000 03:32:55 -0400  
From: joe lerch <jl@early.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [69886] Re: Phone Company Removes endfed  
Message-ID: <00051103374401.00251@->  
Content-Type: text/plain  
MIME-Version: 1.0  
Content-Transfer-Encoding: 8bit

You might consider using hamsticks:

They make a special mount for two "hamsticks" to be put together to make a rotatable dipole that will tune about 100 khz of the band on 40 meters, and is not very big, about 14 feet from tip to tip. The end pieces are thin stainless steel and not very noticable once in the air, you basically only see the bottom section which is less than 4 feet long.

joe (kc3gv)

-----  
Date: Thu, 11 May 2000 06:12:19 -0400  
From: neil tanner <ntan@crosslink.net>  
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>  
Subject: [69887] re: full wave loop  
Message-ID: <391A8783.F65E6FDC@crosslink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I agree with Mike- put one up, don't worry about the shape etc. I used a loop onboard a 3 masted sailboat (loop was designed by Chuck Fikes, w5cle) on all bands. Instead of being fed with twin lead or open wire, we just brought the ends down into the shack, right to the tuner. We did have problems with rf. When passing traffic for the crew on cw at night, the guy at the helm -if he could read morse- would have known what was being sent by watching the light in the compass! So I don't know if just bringing the ends right to the tuner would be good for land use, but it just shows that shape isn't too critical. Oh, yeah- it worked very well . Good luck---Neil wa4chq  
<http://www.qsl.net/wa4chq>

-----  
Date: Thu, 11 May 2000 06:57:10 -0400  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <raysills@castle.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [69888] Re: TS440S Lithium Battery  
Message-ID: <006b01bfbb37\$f69330a0\$ecaefea9@dads-hp>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

ICOM was the big offender here. They left NO bootstrap in ROM in one of their high end receivers. When the battery went dead, it was totally dead. Period. The rig became almost ZERO value overnight on the used market.

I forget the model number. ANYway, ICOM didn't let it last long, they immediately announced a policy of free repair. I don't know if that's still the case. My personal opinion? A really terrible design. The potential for public concern is just too high.

Anyway, I don't know of any rigs OTHER than a couple of old ICOMs that are 100% RAM. Everyone seems to use a bootstrap ROM now. And the old ICOMs? There still is I believe a company that sells a 'board' that puts an enhanced system on a ROM, with a big RAM area as well, so you can still 'download' new features... (Which is what ICOM wanted to do to begin with, but never did.)

Mike

>One caution on replacing lithium cells in a rig: I have heard of cases  
>where the the rig just died after a battery swap. It seems the operating  
>system in the microprocessor controlling the rig was stored in RAM!!!!...  
>when the power went away, so did the program. Evidently the manufacturer  
>had a way to stuff the program in after it was built.

>

>73 de Ray

>K2ULR

>FN20t1

>

>>Ian,

>>

>>I'm not sure I'd like 'rechargable' in there. But if you want...

>>

>>If the rig is operated a LOT, like every couple days, you might  
>>consider a 'super cap', one of those 10F guys. They are HUGE  
>>capacity, but high impedance. You could parallel that in your  
>>circuit, with the lithium as a backup. Diode isolate the battery  
>>from the supercap and let the supercap charge and feed the  
>>back 99% of the time.

>>

>>The other issue is did you use the right Lithium? If it was from  
>>the manufacturer, it may be the right one, but from OLD stock.

>>(I know, real bummer!) When I replace a lithium, I generally buy  
>>a 'generic' lithium rather than the specific, that way I usually get  
>>a fresh battery.

>>

>>I just had to replace the lithium in my Alinco DR-590 in my car.  
>>I went to RS and found about 6 batteries that were the same size.  
>>So I pulled out the battery book and checked which one had the  
>>LONGEST discharge rating. It was lower capacity but rated for

>>a longer time, and since I was taking a fraction of the rated  
>>current, I went for the time.  
>>  
>>I did the same thing on my HTX-202 HT. That battery failed I think  
>>about a year after I bought it. So I put in a 'generic', and it's been  
>>there since without a hitch.  
>>  
>>The problem with a battery from a manufacturer is that they are  
>>generally bought in 'bulk' at the start of the manufacturing cycle,  
>>and unless the manufacturer has rolled through to replacement  
>>stock, you could get some really old batteries.  
>>  
>>Mike  
>>  
>>> Gang,  
>>>  
>>> Can anyone help me with this enquiry?  
>>>  
>>> <snip>  
>>> desire to eliminate the Lithium battery in my Kenwood TS440S and  
>>>would  
>>> like to replace it with a rechargeable which would get charged when  
>>>the  
>>> rig is on! This may not be a design improvement but the Lithium was  
>>> replaced in Feb 2000 and is already NG. Unbuckling the rig from  
>>> everything and disassembling makes me nuts. Whatcha think? N2DFJ  
>>>  
>>> </snip>  
>>>  
>>>  
>>> 72/73's  
>>>  
>>> Ian Purdie Budgewoi N.S.W. Australia - Co-ords 33o:14' S 151o:34' E  
>>> My FREE Newsletter:- <mailto:vk2tip@qsl.net?Subject=Subscribe>  
>>> VK2TIP "I'll give ya the TIP mate" QRP-L #1978. SOC #171 "duh?"  
>>> URL - <http://www.integritynet.com.au/~purdic/>  
>>>  
>>>  
>>>  
>>  
>>  
>

-----  
Date: Thu, 11 May 2000 07:02:04 -0400  
From: Joe Mikuckis <k3chp@erols.com>

To: qrp-1@lehigh.edu  
Subject: [69889] [Fwd: Old Gonset Rig]  
Message-ID: <391A932C.71E6@erols.com>  
MIME-Version: 1.0  
Content-Type: message/rfc822  
Content-Transfer-Encoding: 7bit  
Content-Disposition: inline

Message-ID: <391A9305.1759@erols.com>  
Date: Thu, 11 May 2000 07:01:25 -0400  
From: Joe Mikuckis <k3chp@erols.com>  
Reply-To: k3chp@erols.com  
X-Mailer: Mozilla 3.01C-KC032698 (Win95; I)  
MIME-Version: 1.0  
To: NoVaQRP@topica.com  
Subject: Old Gonset Rig  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I plan to attend NoVa meeting this Saturday and will bring my old Gonset Communicator III for "show and tell." It is crystal-controlled, AM, 6-meter rig made in the late 1950s. It is definitely QRP and appropriate because I get 4 watts output.

Joe Mikuckis, K3CHP  
Riverdale, MD

-----  
Date: Thu, 11 May 2000 07:27:58 EDT  
From: KR0Y@aol.com  
To: qrp-1@lehigh.edu  
Subject: [69890] Re: Cub Vs. SW20+ ???  
Message-ID: <2f.51d8a5e.264bf33e@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

In a message dated 5/9/00 4:38:17 AM Pacific Daylight Time, w0yse@juno.com writes:

<< I want a 20m trail friendly rig that is not as temperature sensitive as my old MFJ 9020 rig, whose BFO pitch changes from zero-beat, at low temperatures, to 1000 Hz or more on a hot day. In the mountains, that can happen easily in just a few hours. >>

Neil, you might also consider a DSW-20. Since it uses DDS synthesis, you shouldn't have any drift (or at least, almost none).

John - KROY  
Springfield, Missouri

-----  
Date: Thu, 11 May 2000 08:10:41 EDT  
From: Wb8siw@aol.com  
To: ntan@crosslink.net, qrp-1@lehigh.edu  
Subject: [69891] Re: full wave loop  
Message-ID: <c1.3121403.264bfd41@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

In a message dated 05/11/2000 6:13:12 AM Eastern Daylight Time,  
ntan@crosslink.net writes:

<< I agree with Mike- put one up, don't worry about the shape etc. I used a loop onboard a 3 masted sailboat (loop was designed by Chuck Fikes, w5cle) on all bands. Instead of being fed with twin lead or open wire, we just brought the ends down into the shack, right to the tuner. We did have problems with rf. When passing traffic for the crew on cw at night, the guy at the helm -if he could read morse- would have known what was being sent by watching the light in the compass! So I don't know if just bringing the ends right to the tuner would be good for land use, but it just shows that shape isn't too critical. Oh, yeah- it worked very well . >>

Hi Niel:

Yes, my experience with a full wave loop currently in service here is that it does have a strong RF field due to the fact that it is installed fairly close to the house and, particularly on 160, 80 or 40, fairly close to the ground.

I had some problems with phone interference and so forth. My wife's Micron Lap-top PC switching power supply would shut down everytime I checked-in to the QMN CW Net on 3663 kHz. She wasn't a happy camper! LOL.

Anyway, the antenna is still up, and filters have been installed on the phones, Amidon toroids have been installed on the computer power supply leads ..and everyone is now happy.

By the way, I've had full wave loops at two different homes. The shape has always been irregular depending on the location of the most convenient trees

(hi!).

I currently run a short length of good quality coax to a W9INN balun box (available from MFJ) mounted outside the house. I run the loop from that point.

I've found both of the antennas to be an excellent performers.

73! Jim WB8SIW

-----  
Date: Thu, 11 May 2000 07:26:02 -0500  
From: "Dan Reynolds" <bcdlr13@home.com>  
To: "qrp-L Reflector" <qrp-l@Lehigh.EDU>  
Subject: [69892] Tips for Older Unger soldering station  
Message-ID: <000701bfbb44\$128353b0\$67cc0f18@c375497a>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I have come upon an older Unger soldering station. I'm not quite sure of the model but it has a 70B base, 71 handle, the heating elements are 76, 77, 78. The tip I have has U94 on it, a conical coming to quite a small point. The tip is not threaded but fits into the end of the element (75% of it is in the heating element) and is secured with a knurled nut to the element. The element itself screws into the handle. The threads are on the "inside" of the element not the outside. The element I guess you could say has female threads?

Anybody have an old stock of these or knows where I can get them. I looked at a couple of places and downloaded the Weller-Unger catalog to no luck.

Dan Reynolds KB9JLO

-----  
Date: Thu, 11 May 2000 08:25:55 -0400  
From: Rick Sealey <rsealey@InfoAve.Net>  
To: crmabbott@mediaone.net  
Cc: qrp-l@lehigh.edu  
Subject: [69893] Re: FW: QRP auxillary equipment question!  
Message-ID: <4.1.20000511081957.00976d10@mail.infoave.net>  
MIME-version: 1.0  
Content-type: text/plain; charset="us-ascii"

I would not be without my butane soldering iron for outside or other heavy duty work. Will keep working long after a rechargeable iron has lost its charge and with its relatively big tip and high heat, is very appropriate



for antenna wire, feedlines, PL-259's, etc. Not good for delicate work, though.

At 04:07 PM 05/10/2000 -0400, you wrote:

>  
>Hi folks,  
>I have visited local Radio Shack and found a butane soldering iron  
>cannot remember part number. Price seemed reasonable, and butane  
>tanks are sold in pairs. It would seem, if it lasted 30 minutes, it  
>would made a good addition to the QRP field kit. Just in case a repair  
>was needed in a coax or something like that and you didn't have  
>generator handy.  
>  
>Has anyone used one of these or had experience with a similar  
>item for repairs during field day, camping, etc with HF rigs?  
>This seems like a good addition to the [field] tool box.  
>  
----- SNIP -----  
>73,  
>Chuck AA8VS  
>MI-QRP #M1212  
>QTH Canton, MI  
>

-----  
Date: Thu, 11 May 2000 08:30:59 -0400  
From: "Tracy, Michael, KC1SX" <mtracy@arrl.org>  
To: "'QRP Email List'" <qrp-l@lehigh.edu>  
Subject: [69894] Re: battery charger - UC3909 or UC3906 IC source?  
Message-ID: <125490A005E3D3118C9C00805FC743CC02F3B9@mail.arrl.org>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Thanks for all the help folks - I found several sources for both parts (I already had the application notes).

72, Michael, KC1SX

-----  
Date: Thu, 11 May 2000 08:36:48 -0400  
From: Bruce Muscolino <w6toy@erols.com>  
To: qrp-l@lehigh.edu  
Subject: [69895] I was reading...

Message-ID: <391AA960.6064@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Yes, I was reading the Winter 1999 issue of QRPP when I stumbled across Rich Fisher's column, "So Happy to be Here". The column is a collection of observations and personal experiences much like his QRP Quarterly column was. Rich edits them and brings them to your attention. Actually a very hard job and Rich is one of the best. Read it, that's an order!

Now tho the real subject of my message. I was mentioned in the column! This must be a NorCal first. Rod Cerkoney mentioned me as the inspiration for his Kokopelli trip last fall. Well, I don't know if I inspired anything, but I was very glad to get the QSO for WAS. Rod did a great job, and I have the certificate to prove I worked all states. One of these days, if I ever get the inspiration, I am going to farm the logs and see what I need for WAS QRP.

Thanks to Rod, Rich, and Doug for the mention. Oh by the way, before I forget, if you don't subscribe to QRPP you ought to. You're missing out on some of the best QRP homebrewing articles to see the light of print. Now, to convince Doug and Paul that the magazine should be 8-1/2 X 11!

73

-----  
Date: Thu, 11 May 2000 08:40:28 -0400  
From: "Richard E. Robinson" <rerobins@email.uncc.edu>  
To: qrp-l@lehigh.edu  
Subject: [69896] Re: Chuck Adams  
Message-ID: <v03102803b5405a671650@[152.15.144.71]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Thanks for the update on Chuck. I hadn't seen any posts from him lately and was wondering how he was doing.

I'm glad to hear he's recovered from his surgery.

72,

Rick kf4ar

-----  
Date: Thu, 11 May 2000 08:43:00 -0400  
From: David Hinerman <dlh1009@ritvax.isc.rit.edu>  
To: qrp-l <qrp-l@Lehigh.EDU>  
Subject: [69897] Re: TS440S Lithium Battery  
Message-ID: <000e01bfbb46\$782049b0\$2d0a05cc@rochester.com>  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT

----- Original Message -----

From: Ray Sills <raysills@castle.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Sent: Wednesday, May 10, 2000 10:06 PM  
Subject: Re: TS440S Lithium Battery

> Hi Gang:  
>  
> One caution on replacing lithium cells in a rig: I have heard of cases  
> where the the rig just died after a battery swap. It seems the operating  
> system in the microprocessor controlling the rig was stored in RAM!!!!...  
> when the power went away, so did the program. Evidently the manufacturer  
> had a way to stuff the program in after it was built.

Ray,

Yup. I worked part-time in a radio service shop a few years ago, and I made that very mistake. I wish I could remember the model, but I don't. We ended up paying the manufacturer to reload the thing. I don't remember what it cost.

My suggestion is, unless you're SURE the battery is flaky, leave it alone. (And if you do replace it, make sure you know how to reset the rig first.)

Dave

-----  
David Hinerman WD8CIV  
Ontario, NY Grid FN13IF  
dlh1009@rit.edu  
-----

Date: Thu, 11 May 2000 09:37:22 -0400  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <dlh1009@ritvax.isc.rit.edu>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [69898] Re: TS440S Lithium Battery  
Message-ID: <017f01bfbb4e\$44fdf340\$2101a8c0@insydesw.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Well, if it DOES come down to replacing the battery, and the rig still works...

Actually, why should it? If the battery is failing, and your memory is corrupting, the program memory is probably suspect too!

But if you DO have an indication it's going (When my Alinco Lithium failed, the 3v cell indicated .34v, so if I had been checking, I'd have probably known long in advance it was down) how would you change it?

I know people who have 'soldered in' a second battery live. In fact, one guy recommend to solder in a AAA battery holder. Put the batteries in. Then unsolder the other cell. Replace that cell, then pull the batteries from the AAA holder but leave the holder soldered in for the next time.

It should go without saying that it's MANDATORY that you use an iron that has an ISOLATED TIP!! I've know people that made up a small 3-wire extension cord with a switch. The switch doesn't turn the power on and off, it switches the ground in and out. So if you have a 3-wire iron that grounds the tip, use the cord to isolate it. And BE CAREFULL!!!! One slip and you could ground or short the wrong thing. Maybe not damage it, but you could cause memory corruption.

If I personally had one of these radios, I would almost certainly contact one of the aftermarket people for a ROM upgrade board. If one wasn't available, I would seriously look at how to modify the circuit or to get the image out of there in case it was needed. Then worry about how to get it back in later! I've built little PCBs that have interfaced to these kinds of things. Never for an ICOM before, but it's not hard to do. In one case, I had to 'sniff' a board for a friend. But I wasn't allowed to touch the board that could be detected. It had multiple SRAM and ROMs on it. So I traced out all the pins, and built a little board that interfaced to my PC on the LPT port with a couple of 8255's, and I used that to 'read' the

ROMs on the board. You could do the same for an SRAM board IF the board was removable with the batter still attached and keeping it live.

Actually, bottom line? This whole issue caused me to seriously look at any ICOM radio I've purchased since this surfaced. I wouldn't consider an ICOM, or ANY radio built this way, unless there were ways around it. And then I'd have to consider the option board price as part of the purchase price.

Sorry ICOM, but you've shot yourself in the foot on this one. And I own 4 ICOMs now. None with this 'feature', and none ever will, unless like I said, I can get the hardware workaround.

Neat idea, ICOM, but poorly implemented.

Mike

-----  
Date: Thu, 11 May 2000 06:33:03 -0700  
From: Bruce Grubbs N7CEE <n7ceeqrp@earthlink.net>  
To: baltimoremd@baltimoremd.com, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [69899] Re: Phone Company Removes endfed  
Message-ID: <4.3.1.0.20000511062438.00b8d478@earthlink.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Thom,  
I'm using a full size 40m vertical with short radials, mounted on the roof. I use the same design for portable ops, both with great results. Instead of 1/4 wave radials, which won't fit on the roof and are a pain to untangle in the field, I use 16 seven foot radials. Also, I feed the verticals with transmit twinlead, through a 4:1 balun. With a tuner (Elecraft K2 ATU, or Emtech ZM20, it's an all band antenna, with SWR below 1.5 from 80-10, including warc bands.

The home version is made from six 6 foot lengths of aluminum tubing that I got from Texas Towers. I ordered the six smallest sizes that would slip fit. The top is 3/8 inch, and the bottom section is about 1-1/8 inch. Then I cut 1 inch slits in the top of each section, and used hose clamps to secure the joint. With 6 inches of overlap, I ended up with a strong 33 foot vertical. I used a wooden dowel at the bottom for an insulated mounting point, with a small drain hole drilled in the tubing above it.

It's guyed half way up with 3/32" dacron cord, which doesn't sun rot. So far (yesterday!) it's withstood 40 mph plus winds, and it's pretty inconspicuous.

Good luck,  
Bruce N7CEE

-----  
Date: Thu, 11 May 2000 08:36:48 -0500  
From: "James P. Osburn, P.E." <j.p.osburn@ieee.org>  
To: "List; QRP, QRP Mailing List" <qrp-l@lehigh.edu>  
Subject: [69900] Re: QRP web page photos  
Message-ID: <000701bfbb4d\$f6767ee0\$d0365a3f@oemcomputer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I used the flash in the camera and diffused it by sticking semitransparent tape either around my loupe or right on the flash of the camera. For the flat circuit board it's ok. These aren't good photos, but for me they're great.  
<http://www.indiana.net/~wd9eyb/smk/>  
I took the close-ups through my 8X loupe.

Jim, WD9EYB

-----  
Date: Thu, 11 May 2000 07:40:27 -0500  
From: millerm@merle.acns.nwu.edu (Michael L Miller)  
To: qrp-l@Lehigh.EDU  
Subject: [69901] off topic: welfare traffic  
Message-ID: <200005111340.IAA18516@merle.it.northwestern.edu>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I have already sent welfare traffic to the appropriate traffic managers. But I want to ask the group - is anyone aware of any HF nets set up concerning health and welfare for the Los Alamos disaster? I have 5 relatives there.

Thanks.

73 de KG9ML, Mike

-----  
Date: Thu, 11 May 2000 09:44:25 EDT  
From: K7GT@aol.com  
To: qrp-l@lehigh.edu  
Subject: [69902] Re: I was reading...  
Message-ID: <73.3238266.264c1339@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Please leave the format of QRPp as it is. The biggest problem with my (hardcopy) QST collection is the change in format (size) back a few decades ago. Actually, I kinda like the small size of QRPp (and the NJQRP Homebrewer, etc.) as they are of a certain attitude (more with less) and corresponding size.

OBTW: I have QST (hardcopy) complete from Jan 1945 to the present as well as a good dose of QRP Quarterly (which also changed format, much to my chagrin).

73 all

K7GT

-----  
Date: Thu, 11 May 2000 09:55:46 -0400  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [69903] Re: Phone Company Removes endfed  
Message-ID: <01b901bfbb50\$c31e8bc0\$2101a8c0@insydesw.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

You know, I'd wonder seriously about the fact the lineman removed the wire and THEN knocked on your door.

You might have the basis for a serious complaint. If the pole was owned by the phone company, then the phone company was probably within their rights to do that, however there is always the possibility of serious injury to the lineman. They should be

advised of that fact. What if you had something like a Swan 700CX pumping out 500W into that wire?

On the other hand, if the phone company DOESN'T own the pole, they probably shouldn't have touched your wire. That might take some looking into. As in a lot of areas, pole ownership is split between various groups. When it gets to individual residential distribution poles, it's usually the power company (but it doesn't have to be) who has actual ownership.

But regardless, it could have been a safety issue. And you might want to tell the phone company that in any case.

Mike

-----  
Date: Thu, 11 May 2000 09:50:51 -0400  
From: Paul Womble <pwomble1@tampabay.rr.com>  
To: millerm@merle.acns.nwu.edu  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [69904] Re: off topic: welfare traffic  
Message-ID: <391ABABA.6456D5D8@tampabay.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

If your not able to contact your family members by normal communication systems contact your local American Red Cross chapter. They will send a Disaster Welfare Inquiry through the Red Cross system.

73  
Paul AJ4Y

--  
Polk County Chapter American Red Cross:  
<http://www.redcross.org/fl/polkcounty>

-----  
Date: Thu, 11 May 2000 09:55:42 -0400  
From: "Dieter \ (Diz\ ) Gentzow W8DIZ" <w8diz@cinci.rr.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [69905] Re: Phone Company Removes endfed (USE VERTICAL)



Message-ID: <008901bfbb50\$9926d520\$1461a518@cinci.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
    charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

A vertical that worked well for me is documented in the below link.  
Full size on 40 meters and NO guyes.

<http://home.cinci.rr.com/w8diz/vert-x2.htm>

73 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio  
Clermont County - EM79uf - near Cincinnati; 39.218N - 84.305W  
FPqrp-1 SOC-8 DLQRPAG-1454 ARCI-10226 QRPL-1998 10X-9389 CATT-26 K2-493  
<http://home.cinci.rr.com/w8diz> [AOL-IM "w8diz"]

----- Original Message -----

From: "Bruce Grubbs N7CEE" <n7ceeqrp@earthlink.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Thursday, May 11, 2000 9:33 AM  
Subject: Re: Phone Company Removes endfed

> Thom,  
> I'm using a full size 40m vertical with short radials, mounted on the  
roof.  
> I use the same design for portable ops, both with great results. Instead  
of  
> 1/4 wave radials, which won't fit on the roof and are a pain to untangle  
in  
> the field, I use 16 seven foot radials. Also, I feed the verticals with  
> transmit twinlead, through a 4:1 balun. With a tuner (Elecraft K2 ATU, or  
> Emtech ZM20, it's an all band antenna, with SWR below 1.5 from 80-10,  
> including warc bands.  
>  
> The home version is made from six 6 foot lengths of aluminum tubing that I  
> got from Texas Towers. I ordered the six smallest sizes that would slip  
> fit. The top is 3/8 inch, and the bottom section is about 1-1/8 inch. Then  
> I cut 1 inch slits in the top of each section, and used hose clamps to  
> secure the joint. With 6 inches of overlap, I ended up with a strong 33  
> foot vertical. I used a wooden dowel at the bottom for an insulated  
> mounting point, with a small drain hole drilled in the tubing above it.  
>  
> It's guyed half way up with 3/32" dacron cord, which doesn't sun rot. So  
> far (yesterday!) it's withstood 40 mph plus winds, and it's pretty  
> inconspicuous.  
>  
> Good luck,

> Bruce N7CEE  
>

-----  
Date: Thu, 11 May 2000 09:59:59 -0400  
From: David Hinerman <dlh1009@ritvax.isc.rit.edu>  
To: qrp-l <qrp-l@Lehigh.EDU>  
Subject: [69906] Re: TS440S Lithium Battery  
Message-ID: <000801bfbb51\$3940db00\$2d0a05cc@rochester.com>  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT

> Sorry ICOM, but you've shot yourself in the foot on this one. And I  
> own 4 ICOMs now. None with this 'feature', and none ever will,  
> unless like I said, I can get the hardware workaround.  
>  
> Neat idea, ICOM, but poorly implemented.

Mike,

I agree, using battery-backed RAM as program storage in a device as long-lived as a ham radio was a poor design choice. But in Icom's defense, sometimes the conflicting requirements of reprogrammability vs. cost of the storage medium makes it necessary to choose the lesser of two (or more) evils. Or as I like to put it, something equally disgusting to all parties involved.

I suspect you won't be seeing this kind of design again - the cost of EPROM, Flash, and even EEPROM (not to mention microcontrollers with these types of memory built in) has come down tremendously in the past 10 years or so. (Makes me really happy - we're developing a device that uses Flash instead of EPROM for the program storage. We can do firmware upgrades over the phone!)

Dave

-----  
David Hinerman WD8CIV  
Ontario, NY Grid FN13IF  
dlh1009@rit.edu  
  
-----

Date: Thu, 11 May 2000 09:02:38 -0500  
From: Dan Copeland <n0dt@alltel.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [69907] Re: Phone Company Removes endfed  
Message-ID: <4.3.1.2.20000511085932.00b12670@mail.alltel.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

I think Mike is right. The phone company probably does not own the pole. I guess I am a rebel, I would have waited till they left and put my wire back up.

Dan

-----  
Date: Thu, 11 May 2000 10:07:20 -0400  
From: Jim Stafford <w4qo@amsat.org>  
To: qrp-1 list <qrp-1@lehigh.edu>  
Subject: [69908] [Dayton] Club Tables at FDI  
Message-ID: <391ABE98.3441FC8A@amsat.org>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=iso-8859-1  
Content-Transfer-Encoding: 8bit

If you are participating in the activities at the Ramada for the weekend - under the umbrella Four Days in May and you are a member of a local or regional club, you are encouraged to set up any or all three nights at the Hospitality Rooms. A table will be provided where you can place your banner, sell club items/kits or just sign up members.

We encourage club participation during the weekend, so talk it up and bring some materials and promo your club.

--  
Jim Stafford/W4Q0/President QRP ARCI  
The Thrill is Back - QRP Is! 77 -993-95  
<http://www.qrparci.org> w4qo@arrl.net  
<http://www.qrparci.org/pix/arci050.gif>

-----  
Date: Thu, 11 May 2000 10:07:13 -0400  
From: Jim Stafford <w4qo@amsat.org>  
To: qrp-1 list <qrp-1@lehigh.edu>

Subject: [69909] [Dayton] The Radio Show  
Message-ID: <391ABE91.F00DA8BD@amsat.org>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=iso-8859-1  
Content-Transfer-Encoding: 8bit

Don't forget to bring your show and tell items to set up on Saturday night at the Radio Show - a place to exhibit all your QRP goodies. This is held in conjunction with the Build It contests. We try to have all the contest entries on display for the evening but even if you didn't build a entry, you are encouraged to "show your radios" at the Radio Show. Your display can be simply the equipment or you can make it elaborate with a backboard/display explaining your equipment.

Saturday night has turned into a really big event at Dayton and it's FREE. Even if you are not involved in the Seminar on Thursday or the Banquet on Friday, please sign in at the registration booth and be eligible for a special "door prize" just for "drop in" participants - another first this year at Dayton/FDIM.

Full details may be found at: <http://www.qrparci.org/fdim64.html>

--

Jim Stafford/W4QO/President QRP ARCI  
The Thrill is Back - QRP Is! 77 -993-95  
<http://www.qrparci.org> w4qo@arrl.net  
<http://www.qrparci.org/pix/arci050.gif>

-----  
Date: Thu, 11 May 2000 10:07:42 -0400  
From: Jim Stafford <w4qo@amsat.org>  
To: qrp-l@lehigh.edu  
Subject: [69910] [Dayton] QRP Vendor Night at Ramada  
Message-ID: <391ABEAE.D505F9D5@amsat.org>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=iso-8859-1  
Content-Transfer-Encoding: 8bit

Mike O has a worthwhile project in compiling lists of QRP friendly vendors at Dayton.

I would like to encourage any vendors who have not made contact with me to let me know that you would like a table for the Friday Night Vendor Night - immediately after the banquet around 9PM. I have heard from several but need to hear from you. Again, it will be at the newly

renovated Ramada Inn Dayton Mall (see QRP ARCI web site for details on the motel and a map).

Vendors are welcome to set up all three nights (space permitting) but we always focus on Friday night right after the banquet, so let's have a big turn out for Vendor Night - a veritable hamfest in itself.

--

Jim Stafford/W4QO/President QRP ARCI  
The Thrill is Back - QRP Is! 77 -993-95  
<http://www.qrparci.org> w4qo@arrl.net  
<http://www.qrparci.org/pix/arci050.gif>

-----  
Date: Thu, 11 May 2000 10:22:19 -0400 (EDT)  
From: "Paul R. Valko" <prvalko@oakland.edu>  
To: Jim Stafford <w4qo@amsat.org>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [69911] Re: [Dayton] The Radio Show  
Message-ID: <Pine.OSF.4.21.0005111016430.4661-100000@saturn4.acs.oakland.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 11 May 2000, Jim Stafford wrote:

> Don't forget to bring your show and tell items to set up on Saturday  
> night at the Radio Show - a place to exhibit all your QRP goodies. This  
> is held in conjunction with the Build It contests. We try to have all

Any chance that we could try swapping the Build-it/Show and Tell night with the Manufacturer's Night... sometime in the future... maybe just once?

I'll admit that this is a completely selfish thought on my part, but I always have to be home Saturday night and so I always miss the show and tell.

Oh well... it's been on my mind for three or four years so it feels go to say it in public. :-)

73! =paul= W8KC

Collector of Ten\*Tecs and other fine plastics.

Visit the Virtual Ten\*Tec Museum at:

<<http://www.acs.oakland.edu/~prvalko>>

-----  
Date: Thu, 11 May 2000 07:34:48 -0700  
From: John Kuklewicz N7ZN <kuk1@cybrquest.com>  
To: unlisted-recipients;; (no To-header on input)  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [69912] Re: TS440S Lithium Battery  
Message-ID: <391AC508.5EFBD7D3@cybrquest.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

FWIW, the manual for my TS-440 clearly states that the  
Lithium battery is used only for memory backup.(p22)

The rig will work OK except that the memories will  
be cleared at every power off and the rig will power up  
in its default state rather than where you left it.  
Kind of a pain, but not a showstopper.

John N7ZN

Mike Yetsko wrote:

>  
> ICOM was the big offender here. T....  
> ...  
>  
> Anyway, I don't know of any rigs OTHER than a couple of  
> old ICOMs that are 100% RAM. ...  
> ....  
> Mike  
>

-----  
Date: Thu, 11 May 2000 09:15:03 -0500  
From: "Mike Branca" <w3irz@att.net>  
To: <n5ib@juno.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [69913] Re: SMK-1 operations  
Message-ID: <006c01bfbb55\$a86a0d40\$d4024d0c@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I also noticed the BC bursts. I guess that the TX RF changes the bias of the product detector somewhat for a ms or so.

Mike W3IRZ in Conyers, Georgia

----- Original Message -----

From: <n5ib@juno.com>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Sent: Wednesday, May 10, 2000 10:06 PM

Subject: SMK-1 operations

> Just worked Don, K5KW, in Oklahoma. My SMK-1 to his Red Hot 40. A map  
> check yields 440 miles at 250 mW for 1600+ miles per watt.  
>  
> Don reported that he's already worked 6 states with his SMK-1, but mine  
> was the first he's heard on.  
>  
> I plugged in a small computer-style speaker and it turns out to be very  
> efficient. Plenty of audio for armchair copy. There's a certain charm  
> about the fidelity of a DC receiver, and the wide pass band makes it  
> almost like a spectrum panorama in your head.  
>  
> Interesting phenomenon: when keying, bursts of BC station QRM can be  
> heard at the beginning of each key closure - only during the first few  
> ms. Backing the gain down minimizes this effect.  
>  
> Great fun! I'm going to put in in a small wood-sided box, but I think I  
> want the top to be clear plastic show the innards can be properly  
> displayed.  
>  
> 72  
> Jim N5IB  
>  
> -----  
> YOU'RE PAYING TOO MUCH FOR THE INTERNET!  
> Juno now offers FREE Internet Access!  
> Try it today - there's no risk! For your FREE software, visit:  
> <http://dl.www.juno.com/get/tagj>.

-----  
Date: Thu, 11 May 2000 10:39:07 -0400

From: "Richard Brummer, K2JQ" <obvious@bestweb.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [69914] Re: Phone Company Removes endfed

Message-ID: <010201bfbb56\$ab119120\$0e01b3d8@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Generally speaking, there may be exceptions) poles are jointly owned by the power and telephone companies. There are specific internal Corporate policies regarding division of costs of maintenance of such joint facilities.

Along the lines of this thread, several years ago, I had a telephone repairman (technician) knock at the door inquiring as to the polypropylene line tied to the pole near my house. I showed him the dipole, one end of which was being supported by that line. He explained that one of my neighbors had called, suspecting that I was attempting to "steal" telephone service, shook his head, and told me not to do anything about it.

After several other such incidences over recent years, I reconfigured my wire antennas, completely within the confines of my back yard. The grief was no longer worth it.

The kicker is that I was an employee of (then) NYNEX, and now a retiree !  
Go figure !

73 all,

Dick K2JQ  
Mahopac, NY

-----  
Date: Thu, 11 May 2000 10:40:09 -0400  
From: David Hinerman <dlh1009@ritvax.isc.rit.edu>  
To: qrp-l <qrp-l@Lehigh.EDU>  
Subject: [69915] Re: TS440S Lithium Battery  
Message-ID: <003701bfbb56\$d5c85200\$2d0a05cc@rochester.com>  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT

> FWIW, the manual for my TS-440 clearly states that the  
> Lithium battery is used only for memory backup.(p22)  
>  
> The rig will work OK except that the memories will  
> be cleared at every power off and the rig will power up



> in its default state rather than where you left it.  
> Kind of a pain, but not a showstopper.

John,

You are correct - in the TS-440 (and the R5000) the battery only supports the frequency memories - the actual program is stored in an EPROM. (If anybody is interested, the controller in those radios is an NEC variant of the Z80 microprocessor.)

I believe it was only Icom radios (the 751 may have been one) that used the battery to support the program memory.

Dave

-----  
Date: Thu, 11 May 2000 10:53:47 -0400  
From: Pete Burbank <plburbank@kih.net>  
To: <qrp-1@Lehigh.EDU>  
Subject: [69916] re. Phone company etc  
Message-ID: <3.0.32.20000511105343.007315a4@kih.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

This discussion about supporting antennas by the use of an active utility pole is way out of line. IMHO. You have no right to tie anything to the pole....period.  
73  
Pete NV4V

-----  
Date: Thu, 11 May 2000 09:16:32 -0600  
From: "Brian P. Mileschosky" <n5zgt@swcp.com>  
To: <millerm@merle.acns.nwu.edu>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [69917] Los Alamos, NM Welfare Traffic (OT)  
Message-ID: <008001bfbb5b\$e44f8d20\$5e0c86cc@hlw11>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Mike et al,

As of right now there are no HF frequencies being used for health and welfare traffic in and out of the Los Alamos, NM area. For those who can, go ahead and monitor 3.939 MHz (a regular 80 meter freq of NM Amateurs for contacts, and traffic nets.) for any possible traffic, HOWEVER, please be advised that Red Cross, and the various EOCs that have been activated, are NOT monitoring this frequency. They are mainly on 2 meter and 70 centimeter repeaters and simplex frequencies to coordinate the activities, evacuations and anything else they can do during this time.

I do not know if this will be helpful, but the New Mexico Roadrunner Traffic Net takes place daily on 3.939 MHz LSB at 0100 UTC. You may try to pass any traffic on that net if needed.

72,  
Brian, N5ZGT  
Albuquerque, New Mexico

---

Boy Scouts of America	Amateur Radio - N5ZGT
Eagle Scout 12/6/96	ARRL QRP: NorCal #1700 QRP-L #580 AK/QRP #125
ASM - Troop 41	Packet: N5ZGT PBBS, 145.05 MHz
OA Lodge 66	Albuquerque, New Mexico
Yah-Tah-Hey-Si-Kess <-W-W-W->	Brother, Kappa Sigma Fraternity
Please Visit my Homepage at: <a href="http://www.unm.edu/~brianm">http://www.unm.edu/~brianm</a>	

---

----- Original Message -----

From: Michael L Miller <millerm@merle.acns.nwu.edu>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Sent: Thursday, May 11, 2000 6:40 AM  
Subject: off topic: welfare traffic

> I have already sent welfare traffic to the appropriate traffic managers.  
> But I want to ask the group - is anyone aware of any HF nets set up  
> concerning health and welfare for the Los Alamos disaster? I have 5  
> relatives there.  
>  
> Thanks.  
>  
> 73 de KG9ML, Mike  
>  
>

---

Date: Thu, 11 May 2000 10:30:23 -0500  
From: "Kevin Muenzler WB5RUE" <wb5rue@stic.net>

To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>  
Subject: [69918] 365pf varicap source  
Message-ID: <000001bfbb5d\$d48fcdd0\$2c3dc6d8@wb5rue>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I remember reading a year or so ago about a source for 365pf variable caps.  
Someone please remind me....

Thanks

Kevin, WB5RUE

-----  
Date: Thu, 11 May 2000 11:46:26 -0400  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <plburbank@kih.net>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [69919] Re: re. Phone company etc  
Message-ID: <001901bfbb60\$1412e3a0\$2101a8c0@insydesw.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Not true!! It's situation specific.

In this area the utilities may require homeowners, developers, or the town to provide the poles. In fact, right near my home is a case where a developer put in underground utilities. He made a deal and power and phone was already in place to a central point. However cable was not negotiated. Since construction finished on the 'utility' aspect, the group now went to a 'different' cable company. Actually to a different town since they sit on the border. The cable company in this town is perfectly willing to install the cable, but the residents have to either pay for the underground feed, or pay for the poles to traverse the cable I think it's 1800'.

While it's still in the air (at least last I heard, and no pun intended) the houses along the road would 'own' the poles. And the people there would actually get rent from the cable company per pole for using them, based on some standard agreement they have with other pole owners.

So, people CAN and DO own the poles. Your declaration that it is inappropriate is not correct.

In another case, the utility company will gladly come in and install a pole for you. There are standard fees for it. In that case you own that pole as well. It's commonly used for 'drive lights' where the utility company leases you a street light. I had a neighbor that got one of those growing up. (But in that case he had the light mounted on a structure.)

So, delete your period!

Mike

> This discussion about supporting antennas by the use of  
> an active utility pole is way out of line. IMHO.  
> You have no right to tie anything to the pole....period.  
> 73  
> Pete NV4V

-----  
Date: Thu, 11 May 2000 08:33:45 -0700  
From: Mike Gipe <mgipe@reliablemeters.com>  
To: myetsko@insydesw.com, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [69920] RE: Phone Company Removes endfed  
Message-ID: <F988E2FF74F4D111A61F00A0C949D7A928EBC6@mission>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

The pole owner may be the phone company or the power company, but you can be very certain that Thom doesn't own the pole. Every wire on the pole is covered by a leasing fee to the owner of the pole.

If Thom didn't pay that fee and get an agreement allowing him to attach a wire, and if the lineman touched his unauthorized wire and was injured, you can be certain that the courts would keep him off the air and away from fresh air and sunlight for many years.

Complaining to the phone company about the lineman removing the antenna wire is like the burglar who sued his victims because he was injured while robbing their house. He may have won his case and been awarded damages, but he now has to wait twenty years before he can spend it.

Mike K1MG

-----  
Date: Thu, 11 May 2000 08:37:41 -0700 (PDT)  
From: Jim Hale <kj5tf@yahoo.com>  
To: QRP-L <qrp-l@Lehigh.EDU>  
Subject: [69921] April 2000 QRP Quarterly + QRPp in Bulgaria  
Message-ID: <20000511153741.8161.qmail@web702.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

What can be better than to make new ham radio (QRP) friends? Well, after reading the Email below, you might agree with me that it doesn't get much better than this!

I introduced Rumi in the most recent issue of the ARCI QRP Quarterly, in my milliwatt column. Rumi can be found mostly on 20M these days, on 14.060MHz. I've seen several QRP-L members reports of working him.

You can contact Rumi via Email when his system is up, at lz2rs@mbox.digsys.bg

72/3's de Jim KJ5TF  
"All milliwatts, All the time"

====

Dear Jim,

We have had some PC problems and actually We are not in Internet for 10 days. But We improved it, nothing that We must make a "UP GRADE" soon.

The last days I have worked many USA QRP stations:  
W1II ,N8ME ,W3ANX ,KE4QZB ,N2DMZ ,K9GA ,N5JI ,N5TW ,NF0R ,K8KXK ,K7SZ , K7FD ,W7CNL ,K5BR ,K3CJQ ,AK3X ,W2VT ,AB4KX ,K7GT ,  
N4XDW ,K2JT W7PFZ ,K0ZK and N4FNG - only on 20 m band. With N4FNG We have tried a "Limbo", He heard my 100 mW as RST= 539, but I heard his 1 / ONE / Milliwatt as RST= 209 ! It was one of my best experiences, during my Ham life of 32 years -to now!!  
I also wkd ZL2BSJ , 1 X 1 watt 339/459 , and FO0CLA called me on my CQ QRP Calling on 20 m and We have had a nice QSO 559/559, but He was 100 W.

I received the new " QRP Quarterly" and I noted the  
"Milliwatting in Bulgaria...",on page 58.It was  
interesting reading something for me in USA  
magazine,thank You!  
I hope hear You on 20 m about 03 - 04 Z,  
72, Rumi LZ2RS/QRPP

=====

<http://www.madisoncounty.net/~kj5tf/>  
Milliwatting Editor ARCI QRP Quarterly  
Join/renew membership QRP Amateur Radio Club International  
<http://www.qrparci.org/arcijoin.html>  
AR QRP#2 - Kingston, Arkansas 35.94N 93.47W  
Private email [kj5tf@madisoncounty.net](mailto:kj5tf@madisoncounty.net)

-----  
Do You Yahoo!?  
Send instant messages & get email alerts with Yahoo! Messenger.  
<http://im.yahoo.com/>

-----  
Date: Thu, May 11 2000 11:45:13 GMT-0400  
From: nally@talstar.com  
To: qrp-1@lehigh.edu  
Subject: [69922] Aged battery corrosion  
Message-ID: <20000511154513508.AAA851@alpha.talstar.com@mail.talstar.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I'm trying to rejuvenate an old Heathkit VTVM that  
has not been used for probably 10 years. It looks  
to be OK except that there was a D cell battery in  
it (used for ohmmeter current, probably) which was  
covered top-to-bottom with green crud. I've worked  
the battery out, and need to clean the crud out. I  
assume it is acidic in nature. Any suggestions from  
the gang on how best to clean up the mess??

BTW this is what I need the tubes for :-)

John WB4LOQ

-----

Date: Thu, 11 May 2000 11:59:39 -0400  
From: David Hinerman <dlh1009@ritvax.isc.rit.edu>  
To: qrp-l <qrp-l@Lehigh.EDU>  
Subject: [69923] Re: Aged battery corrosion  
Message-ID: <000e01bfbb61\$f8003c10\$2d0a05cc@rochester.com>  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT

> I'm trying to rejuvenate an old Heathkit VTVM that  
> has not been used for probably 10 years. It looks  
> to be OK except that there was a D cell battery in  
> it (used for ohmmeter current, probably) which was  
> covered top-to-bottom with green crud. I've worked  
> the battery out, and need to clean the crud out. I  
> assume it is acidic in nature. Any suggestions from  
> the gang on how best to clean up the mess??

John,

I've used WD-40 to loosen that kind of crust, and then scrubbed it away with a toothbrush or a small wire brush (depends on how stubborn it is). If the metal underneath isn't too badly eaten away, you can scrape or file down to the bare metal to restore the battery contact. If the metal's too much like swiss cheese, you'll need to replace it. I'd avoid getting the residue on my hands or clothing, too. Rubber gloves might be in order.

Dave

-----  
Date: Thu, 11 May 2000 09:20:06 -0700  
From: Radman <radman@best.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>, "'Kevin Muenzler WB5RUE'" <wb5rue@stic.net>  
Subject: [69924] RE: 365pf varicap source  
Message-ID: <01BFBB2A.4CC0FD80@radman.vip.best.com>

Kevin et al,

Surf over to Midnight Science at URL: <http://www.midnightscience.com/catalog5.html>

This is the web site for the Crystal Set Society... very cool site!  
They have \*real\* 365pF air variables for \$10.95 ea. Not cheap, but they're really nice for QRP tuners, etc.

I use a pair them in a HB tuner I designed... like em! :)

72,

Conrad Weiss - NN6CW

-----

From: Kevin Muenzler WB5RUE[SMTP:wb5rue@stic.net]  
Subject: 365pf varicap source

I remember reading a year or so ago about a source for 365pf variable caps.  
Someone please remind me....

Thanks

Kevin, WB5RUE

-----

Date: Thu, 11 May 2000 12:19:02 +0000  
From: Michael Neverdosky <mneverdosky@earthlink.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [69925] Re: Aged battery corrosion  
Message-ID: <391A9726.E1AD47D6@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

If you can tell who made the battery, contact them  
and ask about cleanup procedures.  
The procedures and chemicals used vary depending  
on the type of battery.

Some batteries are acidic and some are alkaline so  
it is not safe to assume.

Many battery companies will repair equipment that  
has been damaged by their batteries. This is becoming  
somewhat rare but they will always give you the  
straight story on the best thing to use.

michael N6CHV AMA 77292

nally@talstar.com wrote:



>  
> I'm trying to rejuvenate an old Heathkit VTVM that  
> has not been used for probably 10 years. It looks  
> to be OK except that there was a D cell battery in  
> it (used for ohmmeter current, probably) which was  
> covered top-to-bottom with green crud. I've worked  
> the battery out, and need to clean the crud out. I  
> assume it is acidic in nature. Any suggestions from  
> the gang on how best to clean up the mess??  
>  
> BTW this is what I need the tubes for :-)  
>  
> John WB4LOQ

-----  
Date: Thu, 11 May 2000 12:26:15 -0400  
From: "Richard Brummer, K2JQ" <obvious@bestweb.net>  
To: <myetsko@insydesw.com>, "Low Power Amateur Radio Discussion" <qrp-  
l@Lehigh.EDU>  
Subject: [69926] Re: re. Phone company etc  
Message-ID: <019001bfbb65\$a2a3d480\$0e01b3d8@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Mike (and everyone),

You are talking about situations with developers, associations, and  
homeowners with specific situations. I said "Generally speaking, (there may  
be exceptions) poles are jointly owned by the power and telephone  
companies".

I want to emphasize -- THERE ARE EXCEPTIONS !!!!!

Geez.....let's take it a little easier on each other.

And.....I was just trying to relate what I thought would be an amusing  
anecdote about my own experience. Like Ron says....."back in my hole  
!"

73,  
Dick K2JQ

-----

Date: Thu, 11 May 2000 12:30:14 -0400  
From: "Hare, Ed, W1RFI" <w1rfi@arrl.org>  
To: "'wb5rue@stic.net'" <wb5rue@stic.net>, Low Power Amateur Radio Discussion  
<qrp-1@Lehigh.EDU>  
Subject: [69927] RE: 365pf varicap source  
Message-ID: <125490A005E3D3118C9C00805FC743CC3E1BE7@mail.arrl.org>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Kevin,

See the ARRL database at <http://www.arrl.org/tis/tisfind.html>. You can search by any word in the records, or if you scroll down the page, you can get to the category list and pick a category. I used the Component-Air Variable Capacitor and got:

<http://www.arrl.org/cgi-bin/tisfind?case=on&patt=COMPONENT%3eAIR+VARIABLE+CAPACITOR>

73,  
Ed Hare, W1RFI

-----Original Message-----

From: Kevin Muenzler WB5RUE [mailto:wb5rue@stic.net]  
Sent: Thursday, May 11, 2000 11:30 AM  
To: Low Power Amateur Radio Discussion  
Subject: 365pf varicap source

I remember reading a year or so ago about a source for 365pf variable caps. Someone please remind me....

Thanks

Kevin, WB5RUE

-----  
Date: Thu, 11 May 2000 13:05:44 -0400  
From: Jim Dolson <jdolson@iserv.net>  
To: QRP <qrp-1@Lehigh.EDU>  
Subject: [69928] [OT] Wanted - Norcal SMK-1 Kit  
Message-ID: <391AE867.73333F1E@iserv.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

If anyone has an unbuilt SMK-1 kit that they don't think they will get around to, please let me know. I'd like to buy one.

Thanks,  
Jim  
wb8zbd

-----  
Date: Thu, 11 May 2000 13:05:49 -0400  
From: Ken Newman <N2CQ@citnet.com>  
To: QRP-L@lehigh.edu, njqrp@njqrp.org  
Subject: [69929] CONTEST: QRP Calendar - This Weekend  
Message-ID: <3.0.6.32.20000511130549.008bd180@mail.citnet.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

~~~~~  
QRP CONTEST CALENDAR

May 13-14, 2000

~~~~~  
Nevada QSO Party (All)

May 13 - 0000z to May 14 - 0600z

Rules: <http://home.sol.no/~janalme/rules/qsonv.txt>

~~~~~  
Volta WW RTTY Contest

May 13 - 1200z to May 14 - 1200z

Rules: <http://home.sol.no/~janalme/rules/avolta.txt>

~~~~~  
Oregon QSO Party (All)

May 13 - 1400z to May 14 - 0400z

Rules: <http://www.sk3bg.se/contest/orqp.htm>

~~~~~  
FISTS Spring Sprint (CW) ... QRP Category

May 13 - 1700z to 2100z

Rules: <http://www.fists.org/sprints.html>

~~~~~  
CQM International DX Contest (CW/SSB/SSTV) ... QRP Category

May 13 - 2100z to May 14 - 2100z

Rules: [http://www.mai.ru/~crc/cq-m/cqm\\_rul0.txt](http://www.mai.ru/~crc/cq-m/cqm_rul0.txt)

~~~~~  
AND LATER.....

~~~~~  
Dayton Hamvention (QRP Event - FDIIM)

May 18-21

Info: <http://www.hamvention.org/>

~~~~~  
European Sprint (CW)

May 20 - 1500z to 1859z

Rules: <http://home.sol.no/~janaalme/htmlrules/eusprint.html>

~~~~~  
Baltic Contest (CW/SSB)

May 20 - 2100z to May 21 - 0200z

Rules: <http://home.sol.no/~janaalme/rules/baltic.txt>  
~~~~~

CQWW WPX Contest (CW) ... QRP Category

May 27 - 0000z to May 28 - 2400z

Rules: <http://ourworld.compuserve.com/homepages/n8bjq/2000RULES.htm>

~~~~~

QRP ARCI Hoot Owl Sprint (CW) ... QRP Contest!

May 28 - 2000 to 2400 (Local Time)

Rules: <http://personal.palouse.net/rfoltz/arci/hoot.htm>

~~~~~

Michigan QRP Memorial Day Sprint (CW) ... QRP Contest!

May 29 - 2300z to May 30 - 0300z

Rules: <http://www.tir.com/~n8cqa/rules2000.htm>

~~~~~

72 de

Ken Newman - N2CQ

Woodbury, NJ

N2CQ@ARRL.NET

~~~QRP Contest Calendar~~~

<http://www.njqrp.org/data/contesting.html>

~~~WQ2RP NJQRP Club Station~~~

-----

Date: Thu, 11 May 2000 09:22:56 -0800

From: Jim Larsen AL7FS <[al7fs@pobox.alaska.net](mailto:al7fs@pobox.alaska.net)>

To: "qrp-1@lehigh.edu" <[qrp-1@lehigh.edu](mailto:qrp-1@lehigh.edu)>

Subject: [69930] [Homebrew] Need advise on Panavise choices for QRP work.

Message-ID: <391AEC70.1E1C2965@pobox.alaska.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

I have been looking at the Panavise sale at

[http://www.radioshack.com/ProductCatalog/ProductListing/Index/1,2094,FLYER\\_005\\_005\\_001\\_000,00.html](http://www.radioshack.com/ProductCatalog/ProductListing/Index/1,2094,FLYER_005_005_001_000,00.html)

There are too many options for me to know what is best for doing our QRP type work? Can someone with experience with Panavise provide a bit of guidance and suggestions on pieces to buy. I cannot buy them all and would like to avoid buyers remorse.

>From the URL

Extra Wide Open Head

Cat.#: 910-1283

The double-action jaws on the extra-wide capacity head let you open and...

Bench Clamp

Cat.#: 910-1276

This device attaches to the edge of any workbench or table up to 3...

Vacuum Base

Cat.#: 910-1284

Activate the rubber base and attach the unit to any smooth, nonporous...

Wide Opening Head

Cat.#: 910-1281

This general-purpose head was created especially for production lines,...

Circuit Board Holder

Cat.#: 910-1278

It handles PCB's from 1/8" to 12" wide with any PanaVise...

Standard Vise Head

Cat.#: 910-1274

Model 303's jaws are 2 1/2" wide and open to 2 1/4". The...

Standard Base

Cat.#: 910-1272

This unit's patented single-load control knob and exclusive split-ball...

Low Profile Base

Cat.#: 910-1275

This base has all the tilt, turn and rotate control features of the...

Parts Tray Base Mount

Cat.#: 910-1277

The cast aluminum parts tray base mount is an extremely stable work...

Panavise Jr. Head

Cat.#: 910-1271

The grooved jaws of the PanaVise Jr. Head open to 2 7/8".

Thanks,

73, Jim

--

Jim Larsen, AL7FS <http://www.qsl.net/al7fs/>  
Anchorage, Alaska <mailto:al7fs@pobox.alaska.net>  
QRP ARCI #6754 Check out <http://www.qrparci.org/>

-----  
Date: Thu, 11 May 2000 12:24:18 -0500  
From: "Kevin Muenzler WB5RUE" <wb5rue@stic.net>  
To: <mgipe@reliablemeters.com>, "'Low Power Amateur Radio Discussion'" <qrp-  
l@Lehigh.EDU>  
Subject: [69931] RE: Phone Company Removes endfed  
Message-ID: <000001bfbb6d\$be67db50\$523dc6d8@wb5rue>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

This is exactly correct Mike. The lines and poles remain the property of the respective agencies. You MUST obtain written permission to install anything to these poles. This applies to the pole containing your meter loop as well, if it isn't attached to your house. I asked one of the linemen if I could install a light to the top of my meter loop pole and was told not to ask because he'd have to say no. So, I didn't ask before I installed it.

72

Kevin, WB5RUE

> -----Original Message-----  
> From: owner-qrp-l@Lehigh.EDU  
> [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of  
> Mike Gipe  
> Sent: Thursday, May 11, 2000 10:34 AM  
> To: Low Power Amateur Radio Discussion  
> Subject: RE: Phone Company Removes endfed  
>  
>  
> The pole owner may be the phone company or the power company,  
> but you can be  
> very certain that Thom doesn't own the pole. Every wire on  
> the pole is  
> covered by a leasing fee to the owner of the pole.

>  
> If Thom didn't pay that fee and get an agreement allowing him  
> to attach a  
> wire, and if the lineman touched his unauthorized wire and  
> was injured, you  
> can be certain that the courts would keep him off the air and  
> away from  
> fresh air and sunlight for many years.  
>  
> Complaining to the phone company about the lineman removing  
> the antenna wire  
> is like the burglar who sued his victims because he was injured while  
> robbing their house. He may have won his case and been  
> awarded damages, but  
> he now has to wait twenty years before he can spend it.  
>  
> Mike K1MG  
>  
>

-----  
Date: Thu, 11 May 2000 12:25:37 -0500  
From: "Kevin Muenzler WB5RUE" <wb5rue@stic.net>  
To: <myetsko@insydesw.com>, "'Low Power Amateur Radio Discussion'" <qrp-  
l@Lehigh.EDU>  
Subject: [69932] RE: re. Phone company etc  
Message-ID: <000101bfbb6d\$ec642a40\$523dc6d8@wb5rue>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I had this option as well. If YOU hire a private contractor to install the poles then the poles are yours. If the power company installs the poles then they are the property of the power company. I do agree that this may vary from state to state and from power company to power company.

72  
Kevin, WB5RUE

> -----Original Message-----  
> From: owner-qrp-l@Lehigh.EDU  
> [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of  
> Mike Yetsko  
> Sent: Thursday, May 11, 2000 10:46 AM  
> To: Low Power Amateur Radio Discussion



> Subject: Re: re. Phone company etc  
>  
>  
> Not true!! It's situation specific.  
>  
> In this area the utilities may require homeowners, developers, or  
> the town to provide the poles. In fact, right near my home is a case  
> where a developer put in underground utilities. He made a deal  
> and power and phone was already in place to a central point.  
> However cable was not negotiated. Since construction finished on  
> the 'utility' aspect, the group now went to a 'different'  
> cable company.  
> Actually to a different town since they sit on the border. The cable  
> company in this town is perfectly willing to install the  
> cable, but the  
> residents have to either pay for the underground feed, or pay for the  
> poles to traverse the cable I think it's 1800'.  
>  
> While it's still in the air (at least last I heard, and no  
> pun intended)  
> the  
> houses along the road would 'own' the poles. And the people there  
> would actually get rent from the cable company per pole for using  
> them, based on some standard agreement they have with other  
> pole owners.  
>  
> So, people CAN and DO own the poles. Your declaration that it is  
> inappropriate is not correct.  
>  
> In another case, the utility company will gladly come in and install  
> a pole for you. There are standard fees for it. In that case you  
> own that pole as well. It's commonly used for 'drive lights' where  
> the utility company leases you a street light. I had a neighbor that  
> got one of those growing up. (But in that case he had the light  
> mounted on a structure.)  
>  
> So, delete your period!  
>  
> Mike  
>  
>  
> > This discussion about supporting antennas by the use of  
> > an active utility pole is way out of line. IMHO.  
> > You have no right to tie anything to the pole....period.  
> > 73  
> > Pete NV4V  
>  
>

>

-----  
Date: Thu, 11 May 2000 13:25:19 -0400  
From: Stanley A McIntosh <mcintos@basf-corp.com>  
To: qrp-1@Lehigh.EDU  
Subject: [69933] Re: QRP-L digest 1817  
Message-ID: <852568DC.005F098A.00@basf-corp-gw01.basf-corp.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

>>I have visited local Radio Shack and found a butane soldering iron  
>>cannot remember part number.

If this is the one that is orange or red and shaped somewhat like a Parker Duofold pen (you fountain pen collectors will understand), then I have a few words. This seems to be the Weller Portasol. There are two Weller butane soldering irons: one with a rectangular cross-section that isn't worth a Ramsey harmonic filter and the round cross-section unit which you'll only get from me out of my cold, dead fingers. I think that the round unit is the Portasol-2, and I have only seen them as part of a boxed set at the monster hardware stores or as a single unit at Radio Shack. The boxed set runs around \$40 and contains the soldering pencil a soldering tip, hot knife, torch, hot air blower, wipe-off cup, and a wire resting stand. The adjustable heat level lets you solder anything from surface-mount components to big, heavy lugs in a tube rig.

While on the topic of soldering small stuff with these units. If I were to make a recommendation, I'd recommend a \$50 purchase. Get the boxed set and then go to Radio Shack for a solder tip. You can use the hot knife for antenna rope, the hot air blower for shrink-wrap tubing, the torch for whatever, and the soldering tip that comes in the set for general purpose soldering. Radio Shack has a finer tip that works with the Weller, and that is the one that I used for assembling my SMiTe. Or, get the \$30 soldering iron at Radio Shack for a lower cost option. I think the blister-packed unit comes with the general-purpose tip. If you're not planning on doing any really fine work, that tip will do you for a while.

I have been fortunate to get 1-2 years' use life out of a tip, and then the catalyst for the burning chamber goes out.

72  
stan

-----  
Date: Thu, 11 May 2000 10:34:29 PDT  
From: "Doug Hendricks" <ki6ds@hotmail.com>  
To: qrp-1@lehigh.edu, jdolson@iserv.net  
Subject: [69934] SMK-1: Kits still available  
Message-ID: <20000511173429.87887.qmail@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Guys, the SMK-1 kits are still available. We plan on doing them for at least 1 year. The purpose of the SMK-1 is to give guys a chance to try SM construction. The kit was designed to show qrxpers that they can do SM, and to give them a chance to practice on an inexpensive kit prior to trying our full featured 10M kit that will be coming out later this summer. So, if you want a SMK-1 Kit, then all you have to do is send \$34 to Jim Cates. His address is:

Jim Cates  
3241 Eastwood Rd.  
Sacramento, CA 95821

Please make check or money order to Jim Cates, not NorCal. Also, please enclose a self addressed mailing label which will help Jim immensely. European orders please send \$36, Pacific rim countries \$38.

Plus, I know of at least one designer who has a major kit coming out that will be all surface mount, and it will be multiband, with tons of features. I think it will rock the qrp building community. Can't say more now, but it is coming. The designer and developer told me that the logical steps are the SMK-1, the new NorCal 10 meter single bander, and then his multiband kit. Needless to say, he was thrilled when we came out with the SMK-1 and the idea of the 10 Meter full featured kit. He contacted me and filled me in on the full details of his plans. Guys, get ready, some really neat stuff is coming down the pike, and it will take us to a new level with homebrew rigs and kits. I am talking small size, and full featured radios guys!!

72, Doug, KI6DS

-----  
Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>

-----  
Date: Thu, 11 May 2000 13:36:21 -0400  
From: "curt" <k3ivb@stargate.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [69935] FS: QRP STN OHR400  
Message-ID: <003c01bfbb6f\$6cc6e000\$11b9a6d1@oemcomputer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Complete and Very mint Oak Hills 400 station. DD-1, built in keyer, WM-2,  
4 amp regulated power supply, manuals and all paper work. Works great,  
just don't use at all. Last time it was touched was at the factory for  
alignment.

Take the Best "serious" Offer. Sorry but not interested in any trades or  
splitting  
up this station.

72  
Curt  
K3ivb  
QRP-L #433

-----  
Date: Thu, 11 May 2000 10:14:49 -0700  
From: Dave Fifield <fifield@pacbell.net>  
To: jdolson@iserv.net, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [69936] Re: [OT] Wanted - Norcal SMK-1 Kit  
Message-ID: <00a101bfbb6c\$69d39800\$0100a8c0@pacbell.net>  
MIME-version: 1.0  
Content-type: text/plain; charset="iso-8859-1"  
Content-transfer-encoding: 7bit

Why not buy a new one? They're still available.  
Check the NorCal website for details.

Cheers,  
Dave Fifield, AD6A

----- Original Message -----  
From: Jim Dolson <jdolson@iserv.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Sent: Thursday, May 11, 2000 10:05 AM  
Subject: [OT] Wanted - Norcal SMK-1 Kit

> If anyone has an unbuilt SMK-1 kit that they don't think they will get

> around to, please let me know. I'd like to buy one.  
>  
> Thanks,  
> Jim  
> wb8zbd  
>

-----  
Date: Thu, 11 May 2000 10:40:09 -0700  
From: Allan G Taylor <k7gt@qsl.net>  
To: qrp-l@lehigh.edu  
Subject: [69937] contact treatment for WhiteRook paddles??  
Message-ID: <391AF079.CFD@qsl.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

As some who may have heard me during QRPTTF already know, I have been having some problems with one of the contacts of my WhiteRook not being 'solid'. As this may have happened to others, I am inquiring to see if there is some sort of known treatment to be done to the bolt head used as contacts in the WhiteRook paddles to eliminate the problem. I have no problems whatsoever with the Bencher paddles at home but just couldn't justify putting them in the pack...!

73 all K7GT

Pleasanton / Livermore CA

--  
Allan Taylor K7GT k7gt@qsl.net

-----  
Date: Thu, 11 May 2000 10:43:55 PDT  
From: "Doug Hendricks" <ki6ds@hotmail.com>  
To: qrp-l@lehigh.edu  
Subject: [69938] SMK-1 and BLT tuner kits to be available at Dayton  
Message-ID: <20000511174355.14567.qmail@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Guys, the SMK-1 kits and the NorCal W6JJZ BLT tuner kits will be available at Dayton. The NJ QRP Club will be selling the SMK-1's along with BLT's at their table every night at the Ramada Inn. George has come up with a great source of kits under \$30. He will have all of the NJ Club kits, plus the

NorCal SMK-1's, BLT's and the new Ft. Smith P-TiCK paddle/keyer combo.  
Every kit on the NJ table will be \$30 or less!!

Think about it! You won't have to break the bank to have qrp building fun.  
No waiting on shipping. Kits will be there, you can take it home with you.

If you are not going to the qrp hotel, then you can buy SMK-1's at the  
Embedded Research/Red Hot Radio Booth at Hara Arena. Plus, you can meet the  
designer of the kit, Dave Fifield. And, Dave and Gary Diana of Embedded  
Research have arranged for me to be in their booth at 1:00 til 2:30 on  
Friday and Saturday. Stop by and say hello, as I would love to meet you and  
shake your hand and talk qrp.

72, Doug, KI6DS

---

Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>

-----  
Date: Thu, 11 May 2000 12:45:11 -0500  
From: Marty <N5NW@midsouth.rr.com>  
To: qrp-1@lehigh.edu  
Subject: [69939] Re: Phone Company Removes endfed  
Message-ID: <0f1hsgohbmem1908gilohcsq1dqoup49d@4ax.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: quoted-printable

Hmmm. My parents own the pole on their lot. In fact, every homeowner in=  
the  
subdivision owns the pole on their lot. They purchased, installed, and =  
pay  
the electric usage for a security light.

Ownership must depend on the development. I suggest the situation might =  
be  
somewhat variable depending on the part of the country, nature of the  
development, and the provider of the utility service. In my parent's =  
case,  
they are serviced by an electric membership cooperative and live in a  
development where the developer had to provide the utilities, which =  
operate on  
an easement rather than ownership.

The lesson to me is not to assume, and don't attach anything to something=  
you  
can't prove you own. Can't attach a wire to the neighbor's house without

permission. Similar to a utility pole you don't own.

Marty, N5NW  
Memphis, Tennessee

On Thu, 11 May 2000 12:24:18 -0500, "Kevin Muenzler WB5RUE" =  
<wb5rue@stic.net>  
wrote:

>This is exactly correct Mike. The lines and poles remain the property =  
>of  
>the respective agencies. You MUST obtain written permission to install  
>anything to these poles. This applies to the pole containing your meter  
>loop as well, if it isn't attached to your house. I asked one of the  
>linemen if I could install a light to the top of my meter loop pole and =  
>was  
>told not to ask because he'd have to say no. So, I didn't ask before I  
>installed it.

>

>72

>Kevin, WB5RUE

>

>> -----Original Message-----

>> From: owner-qrp-l@Lehigh.EDU

>> [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of

>> Mike Gipe

>> Sent: Thursday, May 11, 2000 10:34 AM

>> To: Low Power Amateur Radio Discussion

>> Subject: RE: Phone Company Removes endfed

>>

>>

>> The pole owner may be the phone company or the power company,

>> but you can be

>> very certain that Thom doesn't own the pole.

>>

>> Mike K1MG

--

Marty, N5NW

-----  
Lakeland (Memphis), Tennessee

<http://marty.w.tripod.com/>

N5NW@midsouth.rr.com  
-----

Date: Thu, 11 May 2000 10:44:25 -0700

From: Ed Loranger <we6w@qsl.net>  
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [69940] Network Analyzer fun.  
Message-ID: <391AF179.8AA223B9@qsl.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Gang, I have made some quick measurements of some of my shack gear on the HP8505A network analyzer.

The Stop Freq. RPG had to be replaced and The S-Parameter test set was tested good with a -52 dB return loss 50 Ohm load so I am happy with the setup here.

Tested:

1) 50 Ohm tapped resonant tank circuit built 3 yrs. ago to end-feed a random wire on 80 meters. (Tuned with Bill Orr's antenna scope and my GDO).

2) SST rig output impedance.

3) GM-20 rig output impedance.

4) Three, 2 meter band antennas.

5) K2 Output Impedance.

6) ZM-2 ATU Input match and Insertion loss with both a 50 ohm and 300 Ohm load.

7) 40 Meter Homebrew Pixie2.

Results:

I was amazed that #1 above was in fact excellent with a -20 dB return loss match and tuned right on 3560 KHz QRP freq. A tribute to simple tools such as the W6SAI Antenna Scope and GDO.

#2) Had -20 dB R.L. match.

#3) Was better tuned above band and only -9 dB R.L. in-band. Retuned the rig to -20 dB R.L.

#4) Except for the telescoping whip, none of the 3 antennas were very good at 50 Ohms match. One was good from 138 to 142 MHz.

#5) The K2 was fairly good at all frequencies from 160 meters thru 10 meters. There is definitely room for an improved tune-up on the bands and



most bands offered a better match at the high-side.  
The match was good within the band but I will attempt  
to document before and after results. This test was  
late last night so It was just a quick overview.

#6) The test of the ZM-2 was more involved. In summary,  
the ZM-2 in an impressive matching unit. It would  
not allow a match to a 50 or 300 Ohm load below 2 MHz.  
Forget about using the ZM-2 on 160 Meters. Except for  
10 meters, insertion loss was at .2 dB after thru-line  
calibrations. 0.5 dB loss at 10 meters. I considered  
-10 dB R.L. as a minimum acceptable port match. It was  
not possible to use the 500 pF setting for a match anywhere  
when the load was 300 Ohms. With a 50 ohm load I obtained  
the following:

50 OHM LOAD (unbalanced):

500 pF switched in ==> 2.0 to 2.4 MHz match range.  
250 pF switched in ==> 2.4 to 17 MHz match range.  
0 pf switched in ==> 2.6 to 52 MHz match range.

300 Ohm balanced load:

500 pf ==> 2 to 2.4 MHz match range.  
250 pF ==> 2.4 to 10 MHz match range.  
0 pF ==> 9.0 to 30+ MHz match range.

#7) The pixie2 was the only rig that measured different  
match conditions depending of if it was powered  
or not powered on. When off, there was high reflection.  
When on, the pixie2 had a 6 dB match at 5.8 MHz. Playing  
around with the powered rig I may have blown the final so  
I have not numbers to share after re-tuning the output.

Hope this is useful. -Ed

--

72/Ed we6w; A-1 OP; SOC#63; QRPL#1068  
<http://www.qsl.net/we6w> Santa Rosa, CA  
My 2 pennies worth is just common cents.

-----  
Date: Thu, 11 May 2000 14:13:19 -0400  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <wb5rue@stic.net>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [69941] Re: Phone Company Removes endfed  
Message-ID: <008501bfbb74\$a4b096a0\$2101a8c0@insydesw.com>  
MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

There may be another little 'wrench' in this issue. I was told that in some areas the poles are leased by locatation. In other words, you want to string a line through a neighborhood, you lease the right to use so many inches of the pole at a certain height.

While I suspect something like this may be true, I don't see how it would be that 'hard coded' into a lease without generating problems when certain lines sag and so on. What I suspect is a more realistic approach is a standard to how you attach to the pole and you just have to adhere to that standard.

As to the phone guy, I STILL think it was highly dangerous of him to just 'disconnect' a wire from the pole without checking first. Even if that check was to say "TOUGH, the wire is about to be cut!"

Then again, he did say it was a non-wire guy rope attached to the pole, so in that regard the phone tech probably figured fine, just go ahead. Heck, he probably knew what it was but was under orders and/or policy to take it down.

But I STILL feel he should have knocked first.

Hmm, I'll bet the phone guys would have kittens if they found you had drilled the pole and put an eye-bolt with a washer and nut on it!

Mike

-----  
Date: Thu, 11 May 2000 13:34:34 -0500  
From: "James P. Osburn, P.E." <j.p.osburn@ieee.org>  
To: "List; QRP, QRP Mailing List" <qrp-l@lehigh.edu>  
Subject: [69942] SMK-1 Web Photos of my work  
Message-ID: <002301bfbb77\$8eb51e40\$da365a3f@oemcomputer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I'm a very slow builder; I just finished bag 1 of my SMK-1.  
Anyway, here are some links to photos of my progress.

This first one is of the entire board.  
<http://www.indiana.net/~wd9eyb/smk/bag1.jpg>  
The next one is of the area around R21 looking through my 8X loupe.  
<http://www.indiana.net/~wd9eyb/smk/r21.jpg>  
To see all my SMK-1 pictures follow this link.  
<http://www.indiana.net/~wd9eyb/smk/>  
Don't build yours like I'm building mine.  
My soldering technique is more of a slobbering technique.

Jim, WD9EYB

P.S. I used 8 layers of transparent tape on my loupe to attenuate  
the flash in the R21 picture.

-----  
Date: Thu, 11 May 2000 18:44:32 +0100  
From: Mike Bray <mikebray@uplogon.com>  
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>  
Subject: [69943] SMK-1 Problem  
Message-ID: <01BFBB78.F9C88180.mikebray@uplogon.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi, Gang -

This is my first post to the list. I've been a list lurker for about 2 years and during that time have asked for help privately (and also have given some privately), but I feel the time has come to leap in with both feet, so here is my plea for help.

I'm having a problem with the receive portion of my SMK-1. I am able to receive signals and have already had a QSO with it, but I am only receiving signals when the attenuation control is turned fully clockwise.

Consequently, when I transmit, the sidetone is much too loud and I must adjust the attenuation control counter clockwise to a comfortable listening level and then turn it back again for receive. At first I thought I had a problem with the muting circuitry, but after some troubleshooting, I believe it is working correctly and have shifted my focus to the receiver front end.

When aligning the receiver, I had two peaks in signal strength when adjusting TC1, but virtually no change in signal strength when adjusting TC2. During kit construction I had a solder bridge between pins 1 and 2 of U1 and was careful when removing the bridge, but now I'm thinking I may

have overheated the chip in the process.

Before I start replacing components (e.g. TC2 or U1) is there anything I can do to further isolate the cause of the problem? I only have a DVM, VTVM and a 5 Mc <GRIN> scope for test equipment.

Readings taken on U1 with my DVM (DC volts):

Pin 1 - 2.13

Pin 2 - 2.13

Pin 3 - 0.0

Pin 4 - 3.7

Pin 5 - 3.73

Pin 6 - 6.0

Pin 7 - 5.2

Pin 8 - 6.15

If my SMK-1 was working properly, where could I expect the RF Atten control to be set for a fairly good signal (RST 559)? Are any of you finding that you have to readjust the RF Atten control when listening to a received signal vs sidetone when transmitting?

I'd appreciate any help you can give me. I love this little transceiver and hope to QSO you when I get it working properly.

72,

Mike, KA1DDB/qrp

Mikebray@uplogon.com

QRPing from the Upper Peninsula of Michigan (Grid EN65cs)

-----  
Date: Thu, 11 May 2000 12:54:45 -0600 (MDT)

From: "Paul Harden, NA5N" <na5n@rt66.com>

To: qrp-l@lehigh.edu

Subject: [69944] OT: Los Alamos Fire Info

Message-ID: <Pine.SUN.4.10.10005111229240.16261-1000000@shell.rt66.com>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,

Sorry for the off-topic post, but I have received 14 emails so far today from qrpers inquiring about their families in the Los Alamos/Espanola area, for which I can not answer individually.

All radio/TV stations are covering this exclusively and it is not a pretty picture. The fire consumed 3500 acres by yesterday morning and

as of noon today, estimated at 22,000 ... with the 40mph+ wind just now starting up. Officials state this fire will be "under control" only when it runs out of fuel at this point. It is now classified as a "fire storm." 120+ houses in Los Alamos are burned to their foundations with 200+ damaged. The Governor's Office estimates 60% of Los Alamos will be burned with the downtown area likely fully involved by this evening.

Areas totally evacuated, or in the process of evacuation are: Los Alamos, White Rock, West side of Espanola, north to Abiquiu. To make matters worse, 11,000 people from Los Alamos were evacuated yesterday to White Rock, which in itself was ordered evacuated about midnite last nite. There are somewhere between 20,000 and 30,000 people now displaced, with virtually no way of knowing where they are right now. Evacuee's are being housed at every conceivable place from Albuquerque north to Espanola, Santa Fe and Taos from High Schools to Indian Casino's.

If you are concerned about the welfare of your family in this area, there is no conceivable way to inquire about them right now. However, all reports indicate everything has gone very orderly, there are no reports of injuries due to the fire or evacuation process, except a few minor injuries to firemen. People evacuated have been urged to stay with families or friends elsewhere in the state where possible, so you may want to check with other family members if possible. Otherwise, it is going to be many days before you can likely contact them.

Watching the images on TV is frightening. This is clearly a disaster beyond description and nobody in authority is optimistic that it will improve for many days.

For more information, which may eventually include list of names of those in the various shelters, see:

[www.koattv.com](http://www.koattv.com)

[www.kobtv.com](http://www.kobtv.com)

Hams \*are\* being very active in providing gobs of communications, but most of it is VHF. The only possible HF traffic would be on the NM Roadrunner Net on 3939. I have not checked to see if it is currently active.

Los Alamos is about 120 miles north of my QTH. However, I can see the smoke from the OTHER major fire in progress near Ruidoso to the southeast, in itself burning around 8000 acres so far.

These two fires have placed the entire state into a full blown emergency. Only moments ago, I saw numerous fire trucks from Las Cruces and White Sands heading north on I-25 under police escort. That's a 300 mile trip to the fire line.

72, Paul NA5N  
Socorro, New Mexico

-----  
Date: Thu, 11 May 2000 14:54:24 EDT  
From: N10DL@aol.com  
To: qrp-1@lehigh.edu  
Subject: [69945] SMK-1 Case arrives  
Message-ID: <32.4e4095f.264c5be0@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Found a nice package sitting on my desk when I got back to the office today.  
I know what my weekend project will be this weekend, Hope to have the case  
and the SMK-1 all done by Sunday.

These guys deserve a standing ovation for all the great work they have done.

Aron

N10DL

Kit #115

Bedford, NH

-----  
Date: Thu, 11 May 2000 12:56:16 -0600  
From: "Rod, N0RC" <n0rc@qsl.net>  
To: <al7fs@pobox.alaska.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [69946] Re: [Homebrew] Need advise on Panavise choices for QRP work.  
Message-ID: <014f01bfbb7a\$b18ee740\$a9101004@compaq>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Jim, et.al.

I've used a panavise for over a year now, to build just about every  
popular rig we enjoy using, multiples in fact! I've trimmed down you  
message below to what I use now, that works well for me. Also below is  
one item I am going to get soon, it's no on sale at Radio Shack.

-rc-

----- Original Message -----

From: Jim Larsen AL7FS <al7fs@pobox.alaska.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Sent: Thursday, May 11, 2000 11:22 AM  
Subject: [Homebrew] Need advise on Panavise choices for QRP work.

...

> There are too many options for me to know what is best for doing our  
QRP  
> type work? Can someone with experience with Panavise provide a bit  
of  
> guidance and suggestions on pieces to buy. I cannot buy them all  
and  
> would like to avoid buyers remorse.  
>

...

THINGS I USE NOW:

> Circuit Board Holder  
> Cat.#: 910-1278  
> It handles PCB's from 1/8" to 12" wide with any PanaVise...  
>

I like this because it easily handles boards as big as the K2 RF board, and as small as the KC1 for the NC40. It has "V" grooves in the clamping surface that securely grasp the board. The grooves are deep and sometimes interfere with part that are close to the edge of the board. But with a little care you won't have any problems.

On of the "V" grooved clamping surfaces is spring loaded and and move in and out with a small cam lever. This allows the board to be held securely or removed easily.

I love this thing and I'll never give it up.

> Standard Base  
> Cat.#: 910-1272  
> This unit's patented single-load control knob and exclusive  
> split-ball...

I got the standard base because it's a little higher and put the work closer to me. No more hunched over back pains.

...

THING I WILL ORDER SOON

> Parts Tray Base Mount  
> Cat.#: 910-1277  
> The cast aluminum parts tray base mount is an extremely stable  
work...  
>

I had my rig screwed done to a old board, for stability. Now I am  
going to get this. I always have tools and parts scattered around the  
vise. This will neaten up my work area.

FWIW: I was ready to by the bench clamp. I chose this because the  
assembly can now be mobile if necessary. If I need stability on the  
home work bench I'll clamp it dome with a small "C" clamp.

Hope this helps, GL

---

72/3 Rod, NØRC -- Fort Collins, CO

-----

Date: Thu, 11 May 2000 14:00:03 -0500  
From: "Bill Allen" <bill@pcatexas.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [69947] K2 lore  
Message-ID: <002001bfbb7d\$9c90baa0\$356840ce@outown.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi Gang,

Am I having fun with my K2 or what??? :-))

I worked a guy in Georgia (I am in Texas) on 10m, mobile on 1/10th watt -  
SSB. You should have heard the suprise in his voice when I told him the  
power level he was being worked with. The QSO started with me making the  
contact at 10watts (actually him breaking in on a QSO between me and another  
local fellow, him hearing both of us) and then I backed the power all the  
way down. He could not tell the difference! Good band conditions that day,



but I think the K2 MOJO must have been at work also.

The K2 is more fun than the law should allow!

73

kc5adf

Bill Allen

-----  
Date: Thu, 11 May 2000 14:24:24 -0500  
From: "James P. Osburn, P.E." <j.p.osburn@ieee.org>  
To: <mykey@aztec.asu.edu>  
Cc: "List; QRP, QRP Mailing List" <qrp-l@lehigh.edu>  
Subject: [69948] Re: SMK-1 Web Photos of my work  
Message-ID: <000701bfbb7e\$852aa0a0\$f7365a3f@oemcomputer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Mike,

My camera is an Olympus D-360L.  
I've had it for about a month now and having lots of fun with it.  
It's my first digital camera. I've never had any trouble with  
it locking up but I'll be on the look out for that.  
The only problem with it, probably with lots of digital cameras  
too, is it eats batteries. I now have 2 sets of NiMH batteries  
for it.

Thanks,

Jim, WD9EYB

----- Original Message -----  
From: MICHAEL C. TODD <mykey@aztec.asu.edu>  
To: <j.p.osburn@ieee.org>  
Sent: Thursday, May 11, 2000 2:07 PM  
Subject: Re: SMK-1 Web Photos of my work

> Jim: It might be a good idea to tell the type of camera  
> you're using. I tried taking a picture with my Olympus

> 450-Zoom through a loupe, (three power I think) and it  
> locked up my camera. The camera seemed to focus alright  
> when taking the picture but after that, no camera functions  
> would work. I was really worried but after formatting the  
> Smart Card twice, all normal functions were restored. Sure  
> had me worried for a while though.  
> You may repeat this warning if you want.  
>  
> W9UQB Mike Phoenix ScQRPion

-----  
Date: Thu, 11 May 2000 15:30:25 -0400  
From: Jimbob <kw3u@warwick.net>  
To: myetsko@insydesw.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [69949] Re: TS440S Lithium Battery  
Message-ID: <391B0A50.F8014B87@warwick.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Mike Yetsko wrote:

> ICOM was the big offender here. They left NO bootstrap in  
> ROM in one of their high end receivers. When the battery  
> went dead, it was totally dead. Period. The rig became  
> almost ZERO value overnight on the used market.  
>  
> I forget the model number. ANYway, ICOM didn't let it last  
> long, they immediately announced a policy of free repair.  
> I

I've been running icom lowends(?) 735 and ic725 es now in the market  
for a second rig and ive never heard of this dead battery and the  
rig ((which one?)) is worthless. this would be invaluable info for those  
like me that missed the boat, and might purchase a used one of  
this unknown Icom rig. can you pls update us on which rig??

72 Jim

-----  
Date: Thu, 11 May 2000 12:44:22 -0700

From: schoon@amgt.com  
To: <qrp-1@Lehigh.EDU>, <kw3u@warwick.net>  
Subject: [69950] RE: TS440S Lithium Battery  
Message-ID: <c=US%a=\_%p=American\_Geotech%l=AG-CALCITE-BDC-000511194422Z-473@mail.amgt.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

I seem to remember the 751 having this kind of problem. Still a pretty good rig these days if the battery has been replaced, but once dead it does make a good doorstop.....

.mark

>-----  
>From: Jimbob[SMTP:kw3u@warwick.net]  
>Sent: Thursday, May 11, 2000 12:30 PM  
>To: Low Power Amateur Radio Discussion  
>Subject: Re: TS440S Lithium Battery  
>  
>  
>  
>Mike Yetsko wrote:  
>  
>> ICOM was the big offender here. They left NO bootstrap in  
>> ROM in one of their high end receivers. When the battery  
>> went dead, it was totally dead. Period. The rig became  
>> almost ZERO value overnight on the used market.  
>>  
>> I forget the model number. ANYway, ICOM didn't let it last  
>> long, they immediately announced a policy of free repair.  
>> I  
>  
>I've been running icom lowends(?) 735 and ic725 es now in the market  
>for a second rig and ive never heard of this dead battery and the  
>rig ((which one?)) is worthless. this would be invaluable info for those  
>like me that missed the boat, and might purchase a used one of  
>this unknown Icom rig. can you pls update us on which rig??  
> 72 Jim  
>  
>  
>

-----  
Date: Thu, 11 May 2000 16:36:33 -0400  
From: Paul Womble <pwomble1@tampabay.rr.com>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [69951] OT: Disaster Welfare Inquiry  
Message-ID: <391B19D1.2E4BD79@tampabay.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Sorry for the off topic post...but sounds like some people may not know this system is in place:

One service provided by the American Red Cross is Disaster Welfare Inquiry. This function of the Red Cross helps reunite families that have family members in an area impacted by a disaster. To start the process simply call your local Red Cross chapter. You can find your local chapter by visiting: <http://www.redcross.org>

You will be asked to supply information about the family members you are trying to locate: full names, relationship, address, phone number (home, work,etc) place of employment, date of last contact, etc.

The Red Cross will then attempt to locate your family members. This process can take time. If phones are out...the Red Cross has to actually visit homes, jobs, shelters, etc to locate people.

Keep in mind that telephone systems are overloaded and the potential is there for complete failure of the phone system infrastructure. Anytime an entire town is evacuated...things are that more difficult.

Also remember that emergency operations are going on now. These operations will be priority until things are under control.

73  
Paul AJ4Y

Emergency Services Specialist  
Polk County Chapter American Red Cross:  
<http://www.redcross.org/fl/polkcounty>

-----  
Date: Thu, 11 May 2000 13:48:15 -0700 (PDT)  
From: ABCQRP <w6abc@yahoo.com>  
To: qrp-1@Lehigh.EDU  
Subject: [69952] SMK-1 voltages? (SMK not working)  
Message-ID: <20000511204815.10360.qmail@web2102.mail.yahoo.com>  
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Hi SMK'ers,  
Mine does not work. I looked for solder bridges and found none. I "can" hear my big rig transmit, albeit faintly, so I know it does receive somewhat. I cannot transmit. When I touch the key jack leads together...nothing. I wonder if there is a list compiled of the voltages at critical testpoints on the rig? That would be helpful. I'm just afraid I may have overheated a component during the solder process. I sure would like to troubleshoot this one before I order a new one and put it together again. By the way, I seem to be getting oscillation being heard by my big rig receiver when I power up the SMK-1 at 7.039 (in receive mode on the SMK). When I hold the torroid in my fingers the level of the oscillation is increased a bit on my rigs s-meter. Also, without keying transmit on the SMK, I measure about 3 Mw of power on my WM-2. Any help would be appreciated. I think I've hit all the points.  
73,  
Jack

-----  
Do You Yahoo!?

Send instant messages & get email alerts with Yahoo! Messenger.  
<http://im.yahoo.com/>

-----  
Date: Thu, 11 May 2000 20:51:40 +0100  
From: wd3p@juno.com  
To: qrp-1@Lehigh.EDU  
Subject: [69953] Re: TS440S Lithium Battery  
Message-ID: <20000511.205148.-354887.0.wd3p@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

> ICOM was the big offender here. They left NO bootstrap in  
>

I don't just single out ICOM - I think that any rig that does not make the backup battery user replaceable is out of line. There is no reason the user should have to the expense and trouble of shipping a rig

somewhere just because they think I can't replace a \$3 battery. I don't care if I only have to do it once every ten years.

73 de Larry.....WD3P

-----  
YOU'RE PAYING TOO MUCH FOR THE INTERNET!

Juno now offers FREE Internet Access!

Try it today - there's no risk! For your FREE software, visit:

<http://dl.www.juno.com/get/tagj>.

-----  
Date: Thu, 11 May 2000 16:04:21 -0500

From: "Mike Branca" <w3irz@att.net>

To: <mikebray@uplogon.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [69954] Re: SMK-1 Problem

Message-ID: <002901bfbb8c\$8f107820\$d4014d0c@default>

MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Mike, you may have two problems. Lets do the trimmer first. TC 2 is tuning a resonant circuit and has no peak so since it receives then C1 is soldered OK. Now look at C2 and L2 and you may not see anything so re soldering may be the cure. I am assuming of course that you used the right values for C1, C2, and L2.

Now for the mute circuit test while receiving by putting a ground onto the gate of Q1( look at the schematic and you can see several places where you can do it.) This should mute the RX.

Good Luck

Mike W3IRZ in Conyers, Georgia

----- Original Message -----

From: Mike Bray <mikebray@uplogon.com>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Sent: Thursday, May 11, 2000 12:44 PM

Subject: SMK-1 Problem

> Hi, Gang -

>

> This is my first post to the list. I've been a list lurker for about 2

> years and during that time have asked for help privately (and also have

> given some privately), but I feel the time has come to leap in with both

> feet, so here is my plea for help.  
>  
> I'm having a problem with the receive portion of my SMK-1. I am able to  
> receive signals and have already had a QSO with it, but I am only  
receiving  
> signals when the attenuation control is turned fully clockwise.  
> Consequently, when I transmit, the sidetone is much too loud and I must  
> adjust the attenuation control counter clockwise to a comfortable  
listening  
> level and then turn it back again for receive. At first I thought I had a  
> problem with the muting circuitry, but after some troubleshooting, I  
> believe it is working correctly and have shifted my focus to the receiver  
> front end.  
>  
> When aligning the receiver, I had two peaks in signal strength when  
> adjusting TC1, but virtually no change in signal strength when adjusting  
> TC2. During kit construction I had a solder bridge between pins 1 and 2  
of  
> U1 and was careful when removing the bridge, but now I'm thinking I may  
> have overheated the chip in the process.  
>  
> Before I start replacing components (e.g. TC2 or U1) is there anything I  
> can do to further isolate the cause of the problem? I only have a DVM,  
> VTVM and a 5 Mc <GRIN> scope for test equipment.  
>  
> Readings taken on U1 with my DVM (DC volts):  
> Pin 1 - 2.13  
> Pin 2 - 2.13  
> Pin 3 - 0.0  
> Pin 4 - 3.7  
> Pin 5 - 3.73  
> Pin 6 - 6.0  
> Pin 7 - 5.2  
> Pin 8 - 6.15  
>  
> If my SMK-1 was working properly, where could I expect the RF Atten  
control  
> to be set for a fairly good signal (RST 559)? Are any of you finding that  
> you have to readjust the RF Atten control when listening to a received  
> signal vs sidetone when transmitting?  
>  
> I'd appreciate any help you can give me. I love this little transceiver  
> and hope to QSO you when I get it working properly.  
>  
> 72,  
> Mike, KA1DDB/qrp  
> Mikebray@uplogon.com  
> QRPing from the Upper Peninsula of Michigan (Grid EN65cs)

>  
>  
>

-----  
Date: Thu, 11 May 2000 17:17:09 -0400  
From: "Mike Yetzko" <myetzko@insydesw.com>  
To: <wd3p@juno.com>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [69955] Re: TS440S Lithium Battery  
Message-ID: <009e01bfbb8e\$48545620\$2101a8c0@insydesw.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

> > ICOM was the big offender here. They left NO bootstrap in  
> >  
> I don't just single out ICOM - I think that any rig that does not make  
> the backup battery user replaceable is out of line. There is no reason  
> the user should have to the expense and trouble of shipping a rig  
> somewhere just because they think I can't replace a \$3 battery. I  
don't  
> care if I only have to do it once every ten years.  
>  
> 73 de Larry.....WD3P

Well, this is sorta a 'special case'. Normally most HAMS don't even  
spend the time to read a label that says "No user servicable parts  
inside". In this case though, they mean it. It's not that you "can't"  
service it, it's that once it needs service, you can't get it back.

THAT is my beef with ICOM. Not specifically the battery.

If you catch it BEFORE the battery goes, ie if you monitor the voltage  
on a regular basis and see it dropping, you can service it yourself.  
You just have to use careful and special procedures.

I just couldn't believe ICOM didn't put ANY bootstrap in there. At  
least to load something off of a serial port. Even if it was  
proprietary.  
But apparantly not. The RAM must be loaded and then the memory  
put in LIVE. Unless they have a hot claw that goes over the chip and  
loads it. In any case, the situation as it stands means that the radios  
built this way would have ZERO chance of STAYING in my house  
as they are. One way or another I'd get that image out of there and  
find a way to reload it, or by the aftermarket upgrade.



You know what amazes me? That ICOM didn't offer an upgrade themselves! VERY shortsighted. That would have nipped the negative publicity that went around about these rigs right at the root back in the early 80's.

Mike

-----  
Date: Thu, 11 May 2000 17:21:24 -0400  
From: "John P. Cummins, Sr." <jpcummins@worldnet.att.net>  
To: unlisted-recipients;; (no To-header on input)  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [69956] Re: ICOM Battery Back up  
Message-ID: <391B2454.9D019460@worldnet.att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I thought I had put a note out on this:

ICOM made several radios in the mid to late 80's that only had battery backup for the control ram.

The models were IC-745 R71A, IC-751/A, IC271A/H, IC471A/H and IC-1271A/H.

Willco Electronics makes a board to replace the ICOM memory board that has non volatile memory. This can also add up to 1024 frequency memories that did not exist before.

The current version of the board is the ICM-2024B and it can be used in all of the rigs listed.

Check out <http://www.ameritech.net/users/willco788/my1.htm>

or send Jack Albert mail at [willco788@ameritech.net](mailto:willco788@ameritech.net).

I put one in my IC751A and it works great.

Pickett, AD4S

-----  
Date: Thu, 11 May 2000 14:24:14 -0700

From: Dwane I Olson <diolson@juno.com>  
To: qrp-1@Lehigh.EDU  
Subject: [69957] SMK-1 #5 no RX  
Message-ID: <20000511.142426.-150677.0.diolson@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

My kit went together easier than I thought. The transistor pads are rather small , but I guess that has already been mentioned. I powered it up and everything worked but the RX. With Q1 jumped out the RX works. I read some posts about changing R18. Has anyone else had success with this change? Any tests recommended for RX problems? I checked and re-soldered the transistors and everything else looks good. TX power out is a little less than 300 mw on the IFR and sidetone is there. Great kit and fun to assemble. Thanks in advance for any help.

72/73 Dwane KB6SJP

-----  
Date: Thu, 11 May 2000 18:04:33 -0400  
From: John AE5X <ae5x@juno.com>  
To: qrp-1@lehigh.edu  
Subject: [69958] Power output of various QRP kits  
Message-ID: <20000511.180434.14302.0.ae5x@juno.com>

I've finally bought and built a WM-2 watt meter and regret not having done so sooner. Anyway, I tested and compared all my monoband QRP rigs (current draw, RF out, 12V vs. 15V, etc) and compiled the results on my page at: <http://www.qsl.net/ae5x/chart.html> if anyone's interested.

John Harper, AE5X  
Ex: AA5YX, KA5BBL, VQ9BL  
HW-9, OHR-100A/20, NC40A, SST/30, SST/40, DSW/20  
Outdoor QRP <http://www.qsl.net/ae5x>

-----  
YOU'RE PAYING TOO MUCH FOR THE INTERNET!  
Juno now offers FREE Internet Access!  
Try it today - there's no risk! For your FREE software, visit:  
<http://dl.www.juno.com/get/tagj>.

-----  
Date: Thu, 11 May 2000 18:34:56 -0400  
From: Bruce Muscolino <w6toy@erols.com>  
To: rattray@gpfn.sk.ca  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [69959] Re: QRP web page photos  
Message-ID: <391B3590.44C2@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Bruce,

I will not try to give you all a complete lesson in photography here, but some things are important. First and foremost, you should use a tripod to hold your camera. This allows you to adjust the image size by moving the object you're photographing either into or out from the camera position. And it makes for LOTS sharper pictures.

It really does not matter whether you use a digital camera or film. Either can be made up in a form to scan and transmit digitally! I use film. My cameras are professional quality and I use them for all sorts of things, including getting paid with them! I can either make scans from transparencies, negatives, or prints. There is no difference in quality at the resolutions you will be using. Believe me when I say you don't have the time to wait for a really high quality scan to load!

Bring light to your pictures. You can use a photoflood and a reflector and get pretty good quality almost flat lighting. Two lights and a reflector and you're in business! For most electronics, try to keep the lighting as flat as possible. Shadows do not add detail here!

Expose carefully. IF you don't have a meter, use what the pros call bracketing the exposure. Use the small sheet of paper that comes with the film for a first approximation of the exposure. Then make a series of exposures increasing and decreasing the exposure by one stop at a time. Use + and - 2 to 3 stops. Somewhere you will get pretty close. Keep records of how you set up your lighting and the exposures you used. The next time you will be able to go right to the proper exposure!

Use a macro lens, or at least close up lenses on your camera. Many cameras come with close focusing lenses. These are not a real substitute for a macro lens. Macros let you go down to 1:1 image sizes! An inexpensive set of close up lenses also work. For 10 or 15 dollars you can get really close!

One last point, if you are going to publish your photos on the web, make

them low contrast images. You can adjust them later! This also applies to photos you take for publication!

So, there it is. How to do your web page photos in a few easy step. Remember, potography is not complex, it only seems that way. Like anything, it can be broken down into several easy steps.

73

-----  
End of QRP-L Digest 1818

\*\*\*\*\*  
-----